

WATERBORNE COMMERCE OF THE UNITED STATES

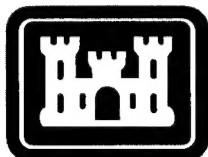
Calendar Year 1994

Part 5—
National Summaries

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Water Resources Support Center

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WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 1994

Part 5—
Waterways and Harbors
National Summaries



Compiled under the supervision of
the Water Resources Support Center
U.S. Army Corps of Engineers
Fort Belvoir, Virginia

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Introduction

General

Waterborne Commerce of the United States, WCUS, Part 5 is one of a series of publications which provides statistics on the foreign and domestic waterborne commerce moved on the United States waters. **WCUS, Parts 1-4** present detailed data on the movements of vessels and commodities at the ports and harbors and on the waterways and canals of the United States, and its territories. **WCUS, Part 5** provides a condensation of this detailed information thereby providing the decision makers a broad perspective of commerce served by the U.S. waterways and ports.

WCUS, Part 5 provides extensive graphic and tabular displays of both current waterborne traffic and historic levels. Statistics are aggregated by region, state, port and waterway for comparative purposes.

Data on foreign commerce are supplied to the Corps of Engineers by the Bureau of Census. Data for the compilation of the domestic statistics are collected by the Corps of Engineers, Department of the Army.

The publication numbers and the geographical areas covered in **WCUS, Parts 1-5** are detailed below:

WCUS, Part 1 Atlantic Coast

WCUS, Part 2 Gulf Coast, Mississippi River System and Antilles

WCUS, Part 3 Great Lakes

WCUS, Part 4 Pacific Coast, Alaska and Hawaii

WCUS, Part 5 National Summaries

Legal Authority

The legal authority for the collection, compilation and publication of waterborne commerce statistics by the Army Corps of Engineers is Section 11 of the Rivers and Harbors Appropriations Act of 1922 (42 Stat. 1043), as amended, and codified in 33 U.S.C. 555 and provides the following:

Owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight, and tonnage as may be required by the Secretary of the Army: Provided, That this provision shall not apply to those rafting logs except upon a direct request upon the owner to furnish specific information.

Every person or persons offending against the provisions of this section shall, for each and every offense, be liable to a fine of not more than \$5,000 or imprisonment not exceeding two months, to be enforced in any district court of the United States within whose territorial jurisdiction such offense may have been committed. In addition, the Secretary may assess a civil penalty of up to \$2,500 per violation, against any person or entity that fails to provide timely, accurate statements required to be submitted pursuant to this section by the Secretary.

The vessel and commodity movement information collected and compiled is designed to meet the data requirements of the Department of the Army in connection with the duties assigned by Congress. These data also provide valuable information for other governmental departments, commercial and shipping concerns and others interested in the U.S. transportation industry.

Domestic Commerce

Contiguous and non-contiguous states and territories constitute the geographical space upon which domestic commerce may be transported. This includes Hawaii, Alaska, the 48 contiguous states, Puerto Rico and the Virgin Islands, Guam, American Samoa, Wake Island and the U.S. Trust Territories.

The waterborne traffic movements are reported to the Corps of Engineers by all vessel operators of record on ENG Forms 3925 and 3925b (or equivalent) approved by the Office of Management and Budget under the Paperwork Reduction Act (44 U.S.C. 3510(a)). The reports are generally submitted on the basis of individual vessel movements completed. For movements with cargo, the point of loading and the point of unloading of each individual commodity must be delineated. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo moved in Department of Defense vessels is not collected.

In summarizing the domestic commerce certain movements are excluded: Cargo carried on general ferries; coal and petroleum products loaded from shore facilities directly into bunkers of vessels for fuel; and insignificant amounts of government materials (less than 100 tons) moved on government owned equipment in support of Corps projects.

In tables containing domestic tonnage totals for the U.S., the commodity "Waterway Improvement Materials" is not included. "Waterway Improvement Materials" tonnage is included in domestic ports, waterways and waterway systems. This is the same procedure that has been used in years prior to 1990; therefore, the tonnages for years 1990 and later are comparable to tonnages in years prior to 1990.

Foreign Commerce

Foreign commerce is waterborne import and export traffic between the United States, Puerto Rico and the Virgin Islands and any foreign country. These statistics do not include traffic between Guam, Wake Island and American Samoa and any other foreign country.

Foreign commerce data are furnished to the Corps of Engineers by the Bureau of the Census under a working arrangement sponsored by the Office of Management and Budget. The data are confined to vessel movements by water and are reconcilable with published reports of the Bureau of Census with the exception of LOOP Oil Terminal and Skagway Wharf reports which are manually entered as imports by the Corps of Engineers.

The Republic of Panama is considered a foreign country. However, individual vessel movements with origin and destination at United States ports traveling via the Panama Canal are considered domestic traffic. Alaskan crude oil (origin at Valdez, AK) shipped via the Panama pipeline (west to east) and destined for gulf and east coast ports is also considered domestic commerce.

Import and export shipments for use of the United States Armed Forces abroad are not reported to WCSC. Export shipments under the various foreign aid programs on Department of Defense operated vessels, either American Flag commercial vessels under time, voyage, or space charter or vessels owned and operated by the Department of Defense, and various items (listed by the Census) which affect national security are not published in terms of the individual commodities shipped. Instead, a lump sum tonnage figure is compiled and appears in these tables as exports under commodity code 9999, "Department of Defense Controlled Cargo and Special Category Items".

Terminology

Types of Traffic

Foreign

Imports

Overseas: Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in foreign countries other than Canada.

Canadian: Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in Canada.

Exports

Overseas: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for foreign countries other than Canada.

Canadian: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for Canada.

Intransit Merchandise: Inbound merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import. Intransit merchandise is treated as an **Import** when unloaded from a vessel and as an **Export** when loaded onto a vessel.

Domestic

Coastwise: Domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico, (e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, Alaska to Hawaii). Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed **Coastwise**.

Lakewise: Waterborne traffic between the United States ports on the Great Lakes System. The Great Lakes System is treated as a separate waterway system rather than as a part of the inland waterway system. In comparing historical data for the Great Lakes System, one should note that prior to calendar year 1990, marine products, sand and gravel being moved from the Great Lakes to Great Lake destinations were classified as local traffic. From 1990 on, these activities are classified as lakewise traffic.

Internal: Vessel movements (origin and destination) which take place solely on inland waterways. An inland waterway is one geographically located within the boundaries of the contiguous 48 states or within the boundaries of the State of Alaska.

The term "internal traffic" is also applied to these vessel movements: those which involve carriage on both inland waterways and the Great Lakes; those occurring between offshore areas and inland waterways (e.g., oil rig supplies and fish); and those taking place within Delaware Bay, Chesapeake Bay, Puget Sound, and the San Francisco Bay, which are considered internal bodies of water rather than arms of the ocean.

Intraport: Movement of freight within the confines of a port whether the port has one or several arms or channels included in the port definition. This traffic type will not include car-ferries and general ferries moving within a port.

Through: Movements transiting a waterway, or stretch thereof, as defined in the project description of individual tables, and having origins and destinations outside of the defined area.

Intra-waterway: Movements within the limits of a river, waterway or canal. This traffic will not include car-ferries and general ferries moving within a waterway or Corps project.

Intra-territory: Traffic between ports in Puerto Rico and the Virgin Islands, U.S.A. which are considered a single unit.

Traffic Direction

Waterways

Upbound: Traffic that moves in an upstream direction. For waterways without a characteristic monodirectional flow (e.g. the Gulf Intracoastal Waterway), "upbound" means in a northerly or easterly direction.

Downbound: Traffic that moves in a downstream direction. For waterways without a characteristic monodirectional flow, "downbound" means in a southerly or westwardly direction.

Inbound: Traffic moving from one waterway into another where the destination is on the subject waterway.

Outbound: Traffic moving from one waterway into another where the origin is on the subject waterway.

Ports

Receipts: Traffic moving from one location to another where the destination is within the limits of the subject port.

Shipments: Traffic moving from one location to another where the origin is within the limits of the subject port.

Commodity Descriptions: The first two digits of the WCSC publication codes correspond with the Lock Performance Monitoring System, LPMS, commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as with commodity movements of other countries.

Tons: The tonnage figures provided throughout the Waterborne Commerce of the United States (WCUS) Parts 1-5 represent short tons (2000 pounds). Where noted tonnage figures are rounded to the nearest million. A zero represents less than 500,000 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

Ton-miles: Water carriage ton-miles were first compiled and published in calendar year 1962. The distances used are statute miles. Domestic ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the water (e.g. 50 short tons moving 200 miles on a particular waterway would yield 10,000 ton-miles for that waterway). The ton-mile parameter measures the total performance of a waterway. Ton-miles are not computed for ports.

For coastwise traffic this represents the mileage on the shortest route that safe navigation permits between the point of origin and destination. The source of this distance information for coastwise traffic is the publication, Distance Between United States Ports, published by the National Oceanic and Atmospheric Administration (1987).

For rivers and inland waterways the distances were computed from waterway survey maps and records of the Corps of Engineers.

For the Great Lakes system the ton-miles are computed for movements of cargo west of the international boundary of St. Regis, Quebec, Canada to head of the lakes at Duluth/Superior.

For Canadian imports and exports, foreign ton-miles are computed as the tonnage times the distance between the U.S. and Canadian ports.

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports.

For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels.

Ton-miles are rounded to the nearest million.

Trans-Shipments: Ports and offshore anchorages where cargo is moved from one vessel to another.

These are: St. Lucia, Virgin Islands; Heald Bank off LA-TX coast; Chirqui Grande, Panama; Puerto Armuelles, Panama; and Hondo Platform-Pacific Ocean.

Commodity Classification List

Major Grouping

Minor Grouping

Pub Group Pub Name

00 Units

0200 Vehicles
0300 Passengers

10 Coal

1100 Coal
1200 Coal Coke

20 Petroleum & Petroleum Products

21 Crude Petroleum

2100 Crude Petroleum

22-29 Petroleum Products

2211 Gasoline
2221 Kerosene
2330 Distillate Fuel Oil
2340 Residual Fuel Oil
2350 Lube Oil & Greases
2410 Petro. Jelly & Waxes
2429 Naphtha & Solvents
2430 Asphalt, Tar & Pitch
2540 Petroleum Coke
2640 Liquid Natural Gas
2990 Petro. Products NEC

30 Chemicals and Related Products

31 Fertilizers

3110 Nitrogenous Fert.
3120 Phosphatic Fert.
3130 Potassic Fert.
3190 Fert. & Mixes NEC

32 Other Chemicals and Related Products

3211 Acyclic Hydrocarbons
3212 Benzene & Toluene
3219 Other Hydrocarbons
3220 Alcohols
3230 Carboxylic Acids
3240 Nitrogen Func. Comp.
3250 Organo-Inorgan Comp.
3260 Organic Comp. NEC
3271 Sulphur (Liquid)
3272 Sulphuric Acid
3273 Ammonia
3274 Sodium Hydroxide
3275 Inorg. Elem., Oxides, & Halogen Salts
3276 Metallic Salts
3279 Inorganic Chem. NEC
3281 Radioactive Material

Major Grouping

Minor Grouping

Pub Group Pub Name

3282 Pigments & Paints
3283 Coloring Mat. NEC
3284 Medicines
3285 Perfumes & Cleansers
3286 Plastics
3291 Pesticides
3292 Starches, Gluten, Glue
3293 Explosives
3297 Chemical Additives
3298 Wood & Resin Chem.
3299 Chem. Products NEC

40 Crude Materials, Inedible Except Fuels

41 Forest Products, Wood and Chips

4110 Rubber & Gums
4150 Fuel Wood
4161 Wood Chips
4170 Wood in the Rough
4189 Lumber
4190 Forest Products NEC

42 Pulp and Waste Paper

4225 Pulp & Waste Paper

43 Soil, Sand, Gravel, Rock and Stone

4310 Building Stone
4322 Limestone
4323 Gypsum
4327 Phosphate Rock
4331 Sand & Gravel
4333 Dredged Material
4335 Waterway Improv. Mat
4338 Soil & Fill Dirt

44 Iron Ore and Scrap

4410 Iron Ore
4420 Iron & Steel Scrap

45 Marine Shells

4515 Marine Shells

46 Non-Ferrous Ores and Scrap

4630 Copper Ore
4650 Aluminum Ore
4670 Manganese Ore
4680 Non-Ferrous Scrap
4690 Non-Ferrous Ores NEC

47 Sulphur, Clay and Salt

4741 Sulphur, (Dry)
4782 Clay & Refrac. Mat.
4783 Salt

48 Slag

4860 Slag

49 Other Non-Metal. Min.

4900 Non-Metal. Min. NEC

Commodity Classification List (continued)

Major GroupingMinor GroupingPub Group Pub Name

- 50 Primary Manufactured Goods
 - 51 Paper Products
 - 5110 Newsprint
 - 5120 Paper & Paperboard
 - 5190 Paper Products NEC
 - 52 Lime, Cement and Glass
 - 5210 Lime
 - 5220 Cement & Concrete
 - 5240 Glass & Glass Prod.
 - 5290 Misc. Mineral Prod.
 - 53 Primary Iron and Steel Products
 - 5312 Pig Iron
 - 5315 Ferro Alloys
 - 5320 I&S Primary Forms
 - 5330 I&S Plates & Sheets
 - 5360 I&S Bars & Shapes
 - 5370 I&S Pipe & Tube
 - 5390 Primary I&S NEC
 - 54 Primary Non-Ferrous Metal Products
 - 5421 Copper
 - 5422 Aluminum
 - 5429 Smelted Prod. NEC
 - 5480 Fab. Metal Products
 - 55 Primary Wood Products; Veneer
 - 5540 Primary Wood Prod.
- 60 Food and Farm Products
 - 61 Fish
 - 6134 Fish (Not Shellfish)
 - 6136 Shellfish
 - 62-64 Grain
 - 6241 Wheat
 - 6344 Corn
 - 6442 Rice
 - 6443 Barley & Rye
 - 6445 Oats
 - 6447 Sorghum Grains
 - 65 Oilseeds
 - 6521 Peanuts
 - 6522 Soybeans
 - 6534 Flaxseed
 - 6590 Oilseeds NEC
 - 66 Vegetable Products
 - 6653 Vegetable Oils
 - 6654 Vegetables & Prod.
 - 67 Processed Grain and Animal Feed
 - 6746 Wheat Flour
 - 6747 Grain Mill Products
 - 6781 Hay & Fodder
 - 6782 Animal Feed, Prep.

Major GroupingMinor GroupingPub Group Pub Name

- 68 Other Agricultural Products
 - 6811 Meat, Fresh, Frozen
 - 6817 Meat, Prepared
 - 6822 Dairy Products
 - 6835 Fish, Prepared
 - 6838 Tallow, Animal Oils
 - 6839 Animals & Prod. NEC
 - 6856 Bananas & Plantains
 - 6857 Fruit & Nuts NEC
 - 6858 Fruit Juices
 - 6861 Sugar
 - 6865 Molasses
 - 6871 Coffee
 - 6872 Cocoa Beans
 - 6885 Alcoholic Beverages
 - 6887 Groceries
 - 6888 Water & Ice
 - 6889 Food Products NEC
 - 6891 Tobacco & Products
 - 6893 Cotton
 - 6894 Natural Fibers NEC
 - 6899 Farm Products NEC
- 70 All Manufactured Equipment, Machinery and Products
 - 7110 Machinery (Not Elec)
 - 7120 Electrical Machinery
 - 7210 Vehicles & Parts
 - 7220 Aircraft & Parts
 - 7230 Ships & Boats
 - 7300 Ordnance & Access.
 - 7400 Manufac. Wood Prod.
 - 7500 Textile Products
 - 7600 Rubber & Plastic Pr.
 - 7800 Empty Containers
 - 7900 Manufac. Prod. NEC
- 80 Waste and Scrap NEC
 - 8900 Waste and Scrap NEC
- 90 Unknown or Not Elsewhere Classified
 - 99 Unknown or Not Elsewhere Clsfd
 - 9900 Unknown or NEC

Section 1

National Summaries



and Ports of the United States

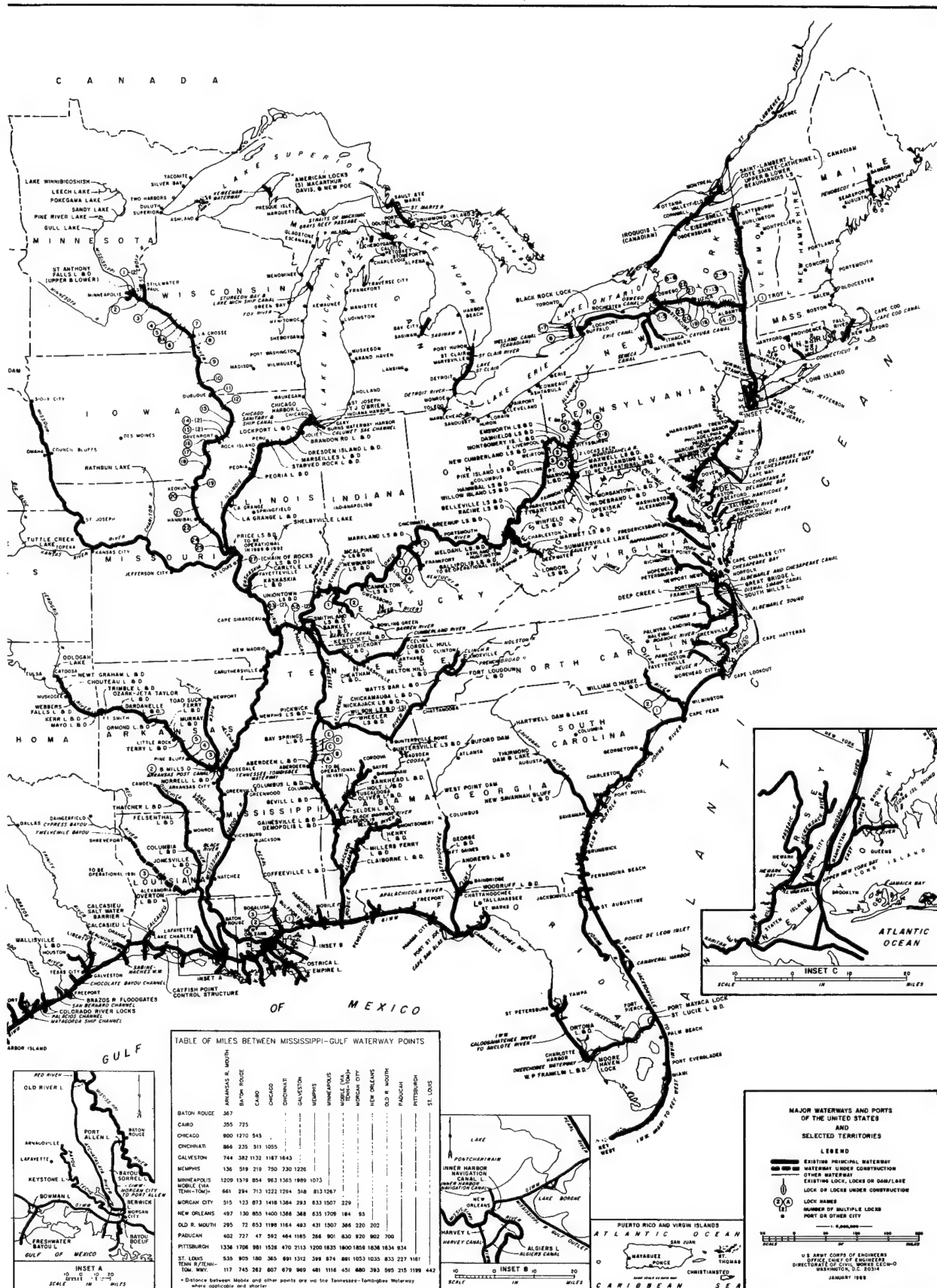


Figure 1-2
TOTAL WATERBORNE COMMERCE OF THE U.S., 1955-1994
(million tons)

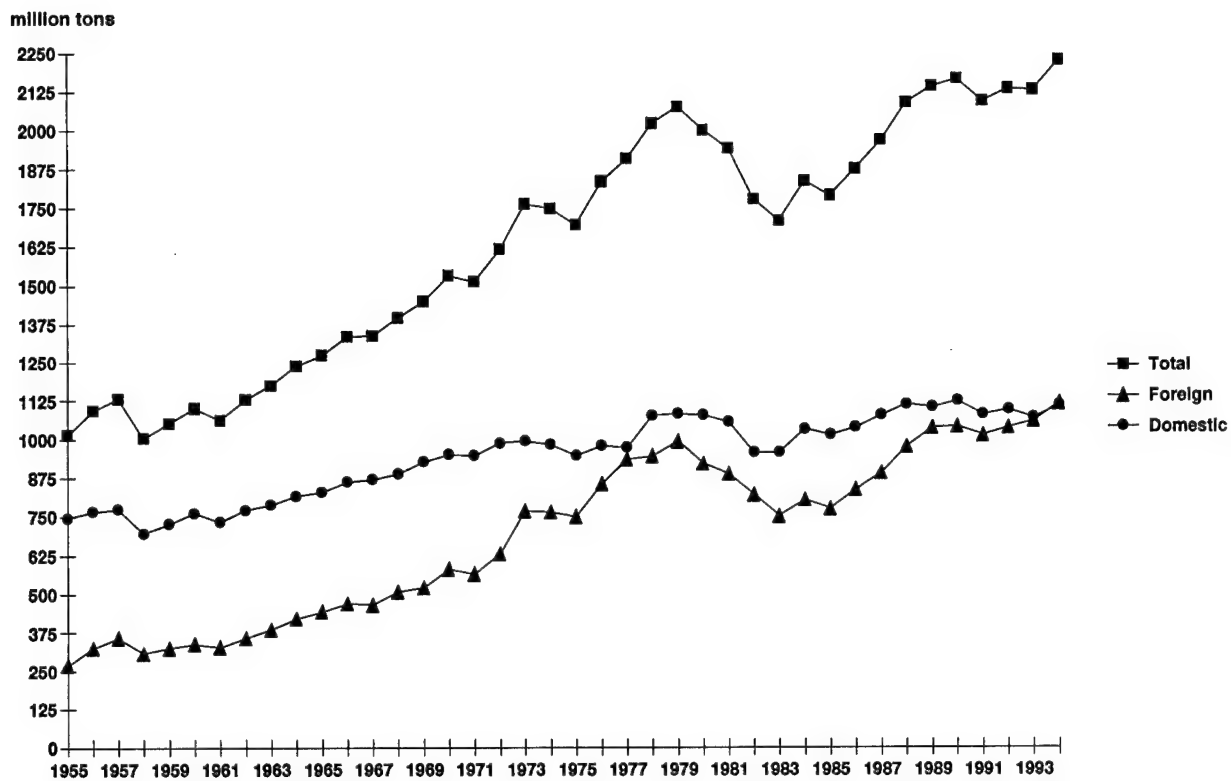


Table 1-1: TOTAL WATERBORNE COMMERCE OF THE U.S., 1955-1994
(in tons of 2000 pounds)

Year	Total	Foreign	Domestic
1955	1,016,135,785	271,102,932	745,032,853
1956	1,092,912,924	326,689,789	766,223,135
1957	1,131,401,434	358,539,550	772,861,884
1958	1,004,515,776	308,850,798	695,664,978
1959	1,052,402,102	325,669,939	726,732,163
1960	1,099,850,431	339,277,275	760,573,156
1961	1,062,155,182	329,329,818	732,825,364
1962	1,129,404,375	358,599,030	770,805,345
1963	1,173,766,964	385,658,999	788,107,965
1964	1,238,093,573	421,925,133	816,168,440
1965	1,272,896,243	443,726,809	829,169,434
1966	1,334,116,078	471,391,083	862,724,995
1967	1,336,606,078	465,972,238	870,633,840
1968	1,395,839,450	507,950,002	887,889,448
1969	1,448,711,541	521,312,362	927,399,179
1970	1,531,696,507	580,969,133	950,727,374
1971	1,512,583,690	565,985,584	946,598,106
1972	1,616,792,605	629,980,844	986,811,761
1973	1,761,552,010	767,393,903	994,158,107
1974	1,746,788,544	764,088,905	982,699,639
1975	1,695,034,366	748,707,407	946,326,959
1976	1,835,006,819	855,963,909	979,042,910
1977	1,908,223,619	935,256,813	972,966,806
1978	2,021,349,754	946,057,889	1,075,291,865
1979	2,073,757,628	993,444,963	1,080,312,665
1980	1,998,887,402	921,404,000	1,077,483,402
1981	1,941,558,947	887,102,150	1,054,456,797
1982	1,776,740,579	819,730,983	957,009,596
1983	1,707,661,011	751,140,194	956,520,817
1984	1,836,020,619	803,338,133	1,032,682,486
1985	1,788,434,822	774,323,283	1,014,111,539
1986	1,874,416,280	837,223,503	1,037,192,777
1987	1,967,458,261	890,980,045	1,076,478,216
1988	2,087,993,484	976,220,985	1,111,772,499
1989	2,140,442,372	1,037,910,213	1,102,532,159
1990	2,163,854,373	1,041,555,740	1,122,298,633
1991	2,092,108,462	1,013,557,036	1,078,551,426
1992	2,132,095,154	1,037,466,130	1,094,629,024
1993	2,128,221,188	1,060,041,217	1,068,179,971
1994	2,214,754,086	1,115,742,828	1,099,011,258

Table 1-2: FOREIGN WATERBORNE COMMERCE OF THE U.S., 1955-1994
(in tons of 2000 pounds)

Year	Imports				Exports			
	Total	Coastal	Great Lakes		Total	Coastal	Great Lakes	
			Canadian	Overseas			Canadian	Overseas
1955	152,956,947	144,276,212	8,434,125	246,610	*118,145,985	95,404,261	22,399,779	288,371
1956	174,214,360	163,348,893	10,572,643	292,824	*152,475,429	126,448,189	25,710,863	281,334
1957	186,351,843	176,235,956	9,885,526	230,361	*172,187,707	146,889,737	24,983,574	288,273
1958	189,484,551	181,480,343	7,656,590	347,618	*119,366,247	101,554,806	17,429,825	360,159
1959	213,485,323	198,607,603	13,794,435	1,083,285	*112,184,616	91,629,487	17,700,427	2,833,118
1960	211,316,497	198,465,746	11,973,635	877,116	127,960,778	104,810,455	19,168,514	3,981,809
1961	200,165,652	188,179,228	11,007,197	979,227	129,164,166	105,959,031	18,801,857	4,403,278
1962	222,689,941	207,040,920	14,487,847	1,161,174	135,909,089	110,492,248	20,484,581	4,932,260
1963	227,375,671	209,369,531	16,495,342	1,510,798	158,283,328	129,781,571	24,455,139	4,046,618
1964	248,585,715	224,433,206	22,118,397	2,034,112	173,339,418	142,874,452	24,866,892	5,598,074
1965	269,834,819	244,874,087	21,059,701	3,901,031	173,891,990	142,121,011	25,692,770	6,078,209
1966	283,847,300	257,173,478	22,585,271	4,088,551	187,543,783	155,759,371	24,905,662	6,878,750
1967	275,965,191	248,245,275	23,269,404	4,450,512	190,007,047	162,443,124	21,896,595	5,667,328
1968	310,936,331	278,826,933	25,658,847	6,450,551	197,013,671	166,579,691	24,444,154	5,989,826
1969	320,293,084	295,647,991	19,770,247	4,874,846	201,019,278	168,944,254	25,235,730	6,839,294
1970	339,339,772	312,933,583	21,820,193	4,585,996	241,629,361	205,697,712	29,146,465	6,785,184
1971	359,745,840	333,776,713	19,104,708	6,864,419	206,239,744	172,758,807	24,757,317	8,723,620
1972	397,565,612	372,417,770	18,861,084	6,286,758	232,415,232	197,430,445	25,352,496	9,632,291
1973	490,088,015	461,828,145	22,988,904	5,270,966	277,305,888	238,807,467	28,435,708	10,062,713
1974	497,282,811	473,940,012	19,027,376	4,315,423	266,806,094	238,686,754	23,342,970	4,776,370
1975	476,572,426	455,117,218	18,121,866	3,333,342	272,134,891	236,707,996	28,707,321	6,719,574
1976	570,318,893	539,674,048	25,845,506	4,799,339	285,645,016	250,632,668	28,050,680	6,961,668
1977	658,136,893	625,308,679	25,416,264	7,411,950	277,119,920	240,784,157	27,741,857	8,593,906
1978	643,186,863	616,140,827	19,916,819	7,129,217	302,871,026	259,316,657	30,961,456	12,592,913
1979	632,995,657	607,898,526	19,450,918	5,646,213	360,449,306	311,786,293	37,964,841	10,698,172
1980	517,521,121	502,005,866	13,414,205	2,101,050	403,882,879	358,805,981	37,216,588	7,860,310
1981	477,191,504	457,467,479	16,794,705	2,929,320	409,910,646	366,424,418	36,976,771	6,509,457
1982	416,621,434	402,511,218	11,541,473	2,568,743	403,109,549	366,825,117	29,701,691	6,582,741
1983	387,847,325	371,773,135	13,080,460	2,993,730	363,292,869	330,955,677	26,794,890	5,542,302
1984	427,139,571	409,295,162	12,922,699	4,921,710	376,198,562	335,269,229	32,286,050	8,643,283
1985	412,687,350	395,577,007	11,916,969	5,193,374	361,635,933	327,425,824	27,727,141	6,482,968
1986	486,073,464	472,230,980	9,597,544	4,244,940	351,150,039	319,163,161	25,248,144	6,738,734
1987	507,704,274	493,828,182	10,040,313	3,835,779	383,275,771	351,226,492	26,766,116	5,283,163
1988	549,897,111	534,043,106	11,720,685	4,133,320	426,323,874	389,686,249	31,651,401	4,986,224
1989	589,504,121	571,732,624	13,535,132	4,236,365	448,406,092	411,338,444	31,936,141	5,131,507
1990	599,969,567	582,411,718	14,534,942	3,022,907	441,586,173	408,688,047	29,561,192	3,336,934
1991	555,354,134	541,066,623	12,078,748	2,208,763	458,202,902	430,654,747	25,178,669	2,369,486
1992	586,708,302	571,286,921	11,965,503	3,455,878	450,757,828	420,666,674	27,978,689	2,112,465
1993	648,783,131	630,700,438	13,680,579	4,402,114	411,258,086	385,697,690	22,914,344	2,646,052
1994	719,497,159	696,468,970	17,045,105	5,983,084	396,245,669	369,138,035	23,844,491	3,263,143

*Includes tonnage for Department of Defense controlled cargo and special category commodities for which breakdown by Canadian and Overseas traffic was:

1955 - 53,574 tons; 1956 - 35,043 tons; 1957 - 26,123 tons; 1958 - 21,457 tons; 1959 - 21,584 tons;

Table 1-3: DOMESTIC WATERBORNE COMMERCE OF THE U.S., 1955-1994
(in tons of 2000 pounds)

Year	Total	Coastwise	Lakewise	Internal	Intraport	Intrateritory
1955	745,032,853	195,717,548	184,808,588	249,693,298	112,862,612	1,950,807
1956	766,223,135	205,910,228	173,990,656	269,734,055	114,363,560	2,224,636
1957	772,861,884	196,418,553	182,150,309	281,065,531	110,824,444	2,403,047
1958	695,664,978	194,050,174	132,288,549	261,068,849	105,424,974	2,832,432
1959	726,732,163	205,509,011	131,220,380	282,268,792	106,746,596	** 987,384
1960	760,573,156	209,196,823	155,109,237	291,056,655	104,193,446	1,016,995
1961	732,825,364	206,899,377	136,841,146	294,052,123	93,929,070	1,103,648
1962	770,805,345	215,460,882	135,743,781	316,061,877	102,277,229	1,261,576
1963	788,107,965	213,853,293	141,741,152	331,902,484	98,980,624	1,630,412
1964	816,168,440	205,687,985	151,404,618	357,916,216	99,579,422	1,580,199
1965	829,169,434	201,508,107	153,695,242	369,615,461	102,865,022	1,485,602
1966	862,724,995	208,374,966	164,036,995	389,851,631	99,214,579	1,246,824
1967	870,633,840	214,646,527	153,596,684	398,592,679	102,320,054	1,477,896
1968	887,889,448	214,250,535	151,115,936	430,174,303	90,730,336	1,618,338
1969	927,399,179	216,707,773	160,843,835	460,944,875	87,536,483	1,366,213
1970	950,727,374	238,440,385	157,058,867	472,123,417	81,474,805	1,629,900
1971	946,598,106	242,916,056	140,954,956	479,217,765	81,252,652	2,256,677
1972	986,811,761	242,660,087	145,013,420	506,989,242	90,266,095	1,882,917
1973	994,158,107	236,794,660	156,620,831	503,236,890	93,222,623	4,283,103
1974	982,699,639	233,358,124	146,067,270	511,021,978	88,197,576	4,054,691
1975	946,326,959	231,932,437	129,331,161	503,932,258	78,279,224	2,851,879
1976	979,042,910	236,278,624	132,112,775	523,972,573	83,731,092	2,947,846
1977	972,966,806	248,083,336	109,079,945	528,704,658	83,444,472	3,654,395
1978	1,075,291,865	305,342,824	142,662,552	534,508,943	89,506,584	3,270,962
1979	1,080,312,665	304,665,522	143,563,644	534,969,167	93,113,665	4,000,667
1980	1,077,483,402	329,608,613	115,124,231	534,979,027	94,183,696	3,587,835
1981	1,054,456,797	321,989,988	115,418,165	520,668,720	93,249,873	3,130,051
1982	957,009,596	311,058,264	72,084,986	495,453,486	75,601,691	2,811,169
1983	956,520,817	309,636,759	83,446,847	487,132,248	73,144,961	3,160,002
1984	1,032,682,486	307,652,127	98,010,499	542,502,695	81,110,880	3,406,285
1985	1,014,111,539	309,801,605	91,987,003	534,658,233	74,263,246	3,401,452
1986	1,037,192,777	308,024,669	87,352,525	560,499,024	77,357,617	3,958,942
1987	1,076,478,216	323,518,318	96,483,652	569,826,970	81,951,080	4,698,196
1988	1,111,772,499	325,176,859	109,664,111	588,118,666	83,689,494	5,123,369
1989	1,102,532,159	302,026,859	109,086,425	606,005,956	80,207,745	5,205,174
1990	1,122,298,633	298,636,988	110,159,406	622,595,330	86,377,845	4,529,064
1991	1,078,551,426	294,542,786	103,426,933	600,386,004	75,634,960	4,558,743
1992	1,094,629,024	285,130,765	107,398,037	621,037,417	76,817,429	4,245,376
1993	1,068,179,971	271,717,424	109,853,847	607,253,349	74,390,472	4,964,879
1994	1,099,011,258	277,029,286	114,777,289	618,408,708	82,870,326	5,925,649

** Beginning in 1959, excludes traffic within the states of Alaska and Hawaii. Such traffic is included in other domestic traffic categories in accordance with definitions applicable to continental United States.

Table 1-4: TOTAL WATERBORNE COMMERCE, 1975-1994
TON-MILES, TONS AND AVERAGE HAUL BY TYPE OF TRAFFIC

Year	Grand Total	Foreign			Domestic				
		Total	Great Lakes Ports	Coastal Ports	Total	Coastwise	Lakewise	Internal	Intraport
Ton-Miles*** (millions)									
1975	639,450.7	73,466.5	*29,944.8	**43,521.7	565,984.2	315,845.9	68,516.8	180,399.2	1,222.3
1976	677,181.0	85,327.5	*34,347.9	**50,979.6	591,853.5	322,932.3	70,684.2	197,072.8	1,164.2
1977	692,527.4	93,527.4	*37,734.3	**55,793.1	599,000.0	343,536.6	52,416.9	201,784.2	1,262.3
1978	928,297.7	101,034.4	*42,108.8	**58,925.6	827,263.3	540,373.2	76,284.0	209,266.2	1,339.8
1979	931,846.4	103,086.9	*43,146.4	**59,940.5	828,759.5	532,290.3	77,968.8	217,090.2	1,410.2
1980	1,016,085.2	94,249.4	*33,679.6	**60,569.8	921,835.8	631,149.2	61,747.1	227,343.0	1,596.4
1981	1,023,636.5	94,223.1	*35,294.0	**58,929.2	929,413.4	634,765.3	62,148.4	231,184.1	1,315.6
1982	964,896.9	78,428.2	*27,165.5	**51,262.7	886,468.7	632,707.1	35,623.3	217,026.7	1,111.7
1983	989,161.6	69,596.0	*24,309.4	**45,286.7	919,565.6	649,749.5	43,088.2	225,628.3	1,099.7
1984	966,478.2	78,758.2	*32,249.4	**46,508.8	887,720.0	593,923.1	49,784.4	242,855.4	1,157.1
1985	964,911.2	71,941.2	*27,171.8	**44,769.4	892,970.0	610,976.5	48,184.0	232,707.5	1,102.0
1986	944,910.5	71,509.4	*24,235.3	**47,274.2	873,401.0	580,888.7	43,198.2	248,116.9	1,197.3
1987	968,403.7	72,988.2	*22,003.3	**50,985.0	895,415.5	586,818.4	50,076.7	257,336.4	1,183.9
1988	970,685.0	80,656.6	*24,448.4	**56,208.2	890,028.4	561,594.9	58,159.5	269,035.7	1,238.4
1989	911,232.2	95,682.3	*27,118.9	**68,563.4	815,549.9	483,888.6	58,307.6	272,157.4	1,196.3
1990	+932,151.4	+98,607.6	*24,330.8	**+74,276.9	833,543.8	479,133.6	60,929.9	292,393.3	1,087.0
1991	+938,671.3	+90,272.3	*17,102.6	**+73,169.7	848,399.0	502,133.0	55,339.1	289,959.0	968.0
1992	+949,344.7	+92,660.1	*21,027.6	**+71,632.5	856,684.6	502,311.0	55,784.6	297,638.7	950.3
1993	+882,605.8	+92,947.9	*26,106.8	**+66,841.1	789,657.9	448,404.2	56,438.1	283,893.6	921.9
1994	909,405.0	94,485.8	*28,299.6	**66,186.2	814,919.2	457,600.7	58,263.4	297,762.4	1,292.7
Tons*** (millions)									
1975	1,692.2	748.7	56.9	691.8	943.5	231.9	129.3	503.9	78.3
1976	1,832.1	856.0	65.7	790.3	976.1	236.3	132.1	524.0	83.7
1977	1,904.6	935.3	69.2	866.1	969.3	248.1	109.1	528.7	83.4
1978	2,018.1	946.1	70.6	875.5	1,072.0	305.3	142.7	534.5	89.5
1979	2,069.8	993.4	73.8	919.7	1,076.3	304.7	143.6	535.0	93.1
1980	1,995.3	921.4	60.6	860.8	1,073.9	329.6	115.1	535.0	94.2
1981	1,938.4	887.1	63.2	823.9	1,051.3	322.0	115.4	520.7	93.2
1982	1,773.9	819.7	50.4	769.3	954.2	311.1	72.1	495.5	75.6
1983	1,704.5	751.1	48.4	702.7	953.4	309.6	83.4	487.1	73.1
1984	1,832.6	803.3	58.8	744.6	1,029.3	307.7	98.0	542.5	81.1
1985	1,785.0	774.3	51.3	723.0	1,010.7	309.8	92.0	534.7	74.3
1986	1,870.5	837.2	45.8	791.4	1,033.2	308.0	87.4	560.5	77.4
1987	1,962.8	891.0	45.9	845.1	1,071.8	323.5	96.5	569.8	82.0
1988	2,082.9	976.2	52.5	923.7	1,106.6	325.2	109.7	588.1	83.7
1989	2,135.2	1,037.9	54.8	983.1	1,097.3	302.0	109.1	606.0	80.2
1990	2,159.3	1,041.6	50.5	991.1	1,117.8	298.6	110.2	622.5	86.4
1991	2,087.6	1,013.6	41.8	971.8	1,074.0	294.5	103.4	600.4	75.6
1992	2,127.9	1,037.5	45.5	992.0	1,090.4	285.1	107.4	621.0	76.8
1993	2,123.3	1,060.0	43.6	1,016.4	1,063.2	271.7	109.8	607.3	74.4
1994	2,208.8	1,115.7	50.1	1,065.6	1,093.1	277.0	114.8	618.4	82.9

* Based on distance transported on Great Lakes and St. Lawrence River to International Boundary at St. Regis, Quebec, Canada.

** Based on distance transported on United States Waterways from entrance channels to ports and waterways.

*** Excludes intraterritorial traffic for which ton-miles were not compiled.

+ An error in the routing network caused the coastal port foreign ton-mile totals to be slightly inflated for calendar years 1990-1993. The corrections are reflected in these revised totals. Ton-miles for individual ports were not affected.

Table 1-4: TOTAL WATERBORNE COMMERCE, 1975-1994
TON-MILES, TONS AND AVERAGE HAUL BY TYPE OF TRAFFIC
(continued)

Year	Grand Total	Foreign			Domestic				
		Total	Great Lakes Ports	Coastal Ports	Total	Coastwise	Lakewise	Internal	Intraport
Average Haul*** (miles)									
1975	377.9	98.1	526.4	62.9	599.9	1,361.8	529.8	358.0	15.6
1976	369.6	99.7	523.1	64.5	606.3	1,366.7	535.0	376.1	13.9
1977	363.6	100.0	545.6	64.4	618.0	1,384.8	480.5	381.7	15.1
1978	459.9	106.8	596.4	67.3	771.6	1,769.7	534.7	391.5	14.9
1979	450.2	103.8	585.0	65.2	770.0	1,747.1	543.1	405.8	15.1
1980	509.2	102.3	555.8	70.4	858.4	1,914.8	536.4	405.0	16.9
1981	528.1	106.2	558.4	71.5	884.0	1,971.4	538.5	444.0	14.1
1982	543.9	95.7	539.1	66.6	929.0	2,034.0	494.2	438.0	14.7
1983	580.3	92.7	502.1	64.4	964.6	2,098.4	516.4	463.2	15.0
1984	527.4	98.4	548.7	62.5	862.5	1,930.5	508.0	448.0	14.3
1985	540.5	92.9	529.5	61.9	883.5	1,972.2	523.8	435.2	14.8
1986	505.2	85.4	528.8	59.7	845.3	1,885.9	494.5	442.7	15.5
1987	493.3	81.9	479.1	60.3	835.4	1,813.9	519.0	451.6	14.4
1988	464.9	82.6	465.8	60.8	804.3	1,727.0	530.3	457.5	14.8
1989	426.8	92.3	494.5	69.7	743.2	1,602.1	534.5	449.1	14.9
1990	+431.7	+94.7	482.2	+74.9	745.7	1,604.4	553.1	469.7	12.6
1991	+449.6	+89.1	409.2	+75.3	789.9	1,704.8	535.0	483.0	12.8
1992	+446.1	+89.3	462.2	+72.2	785.7	1,761.7	519.4	479.3	12.4
1993	+415.7	+87.7	598.2	+65.8	742.7	1,650.3	513.8	467.5	12.4
1994	411.7	84.7	564.5	62.1	745.5	1,651.8	507.6	481.5	15.6

+ An error in the routing network caused the coastal port foreign ton-mile totals to be slightly inflated for calendar years 1990-1993. The corrections are reflected in these revised totals. Ton-miles for individual ports were not affected.

Figure 1-3
TOTAL WATERBORNE COMMERCE, 1975-1994
BY COMMODITY GROUP
(million tons)

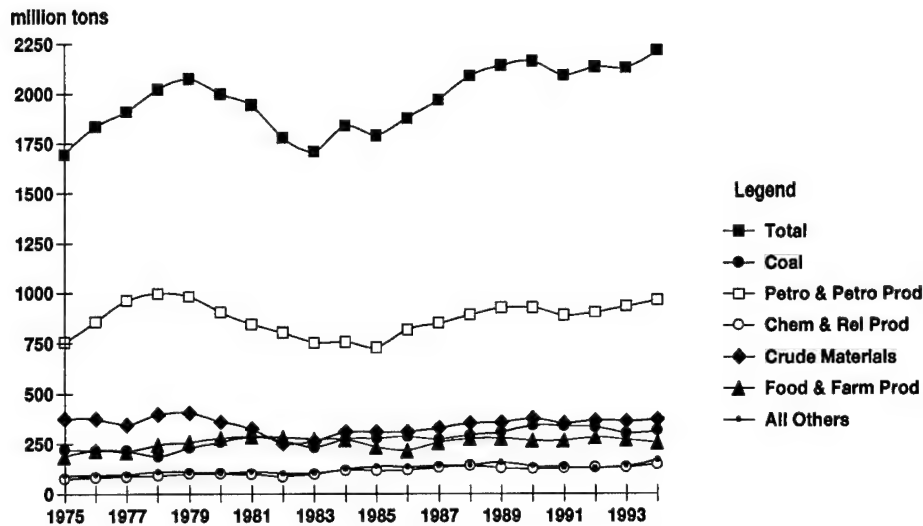


Table 1-5: TOTAL WATERBORNE COMMERCE, 1975-1994
BY COMMODITY GROUP
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	1,695.0	1,835.0	1,908.2	2,021.3	2,073.8	1,998.9	1,941.6	1,776.7	1,707.7	1,836.0
Coal	219.0	215.2	212.0	185.9	227.4	256.4	284.6	263.1	229.8	271.8
Petro & Petro Prod	753.6	856.5	961.0	997.0	980.8	903.2	842.4	799.6	748.5	753.5
Chem & Rel Prod	74.3	81.6	85.8	89.3	99.4	101.3	94.8	84.7	96.7	115.1
Crude Materials	373.9	373.7	344.6	396.5	403.5	356.9	325.2	249.2	260.0	307.1
Primary Manuf Goods	50.1	53.8	59.7	65.6	64.0	58.5	61.2	51.3	56.4	69.3
Food & Farm Prod	185.2	215.5	209.4	242.5	257.0	278.3	285.6	279.9	270.3	268.3
All Manuf Equip	17.3	20.0	20.1	23.5	22.7	23.6	23.7	21.2	23.9	25.1
Other	21.7	18.7	15.8	21.1	18.9	20.7	24.0	27.7	22.1	25.8
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	1,788.4	1,874.4	1,967.5	2,088.0	2,140.4	2,163.9	2,092.1	2,132.1	2,128.2	2,214.8
Coal	273.9	283.9	271.3	292.2	304.8	339.9	336.8	332.2	300.4	314.1
Petro & Petro Prod	726.4	815.6	847.7	887.7	922.7	923.5	886.0	899.6	930.6	961.3
Chem & Rel Prod	114.3	118.6	129.0	138.8	127.8	123.8	125.1	128.7	131.6	146.9
Crude Materials	307.1	308.4	327.1	352.0	353.2	374.9	348.9	364.0	360.6	369.3
Primary Manuf Goods	76.9	76.0	76.5	79.5	77.8	76.0	71.8	70.1	76.8	105.0
Food & Farm Prod	231.0	215.2	254.1	273.4	276.0	267.5	263.9	280.4	269.3	225.8
All Manuf Equip	29.8	31.5	33.6	33.8	38.4	42.2	43.6	49.0	51.1	54.9
Other	29.1	25.5	28.2	30.5	39.7	16.5	16.0	8.0	7.9	7.3

Figure 1-4
FOREIGN WATERBORNE COMMERCE, 1975-1994
IMPORTS AND EXPORTS
(million tons)

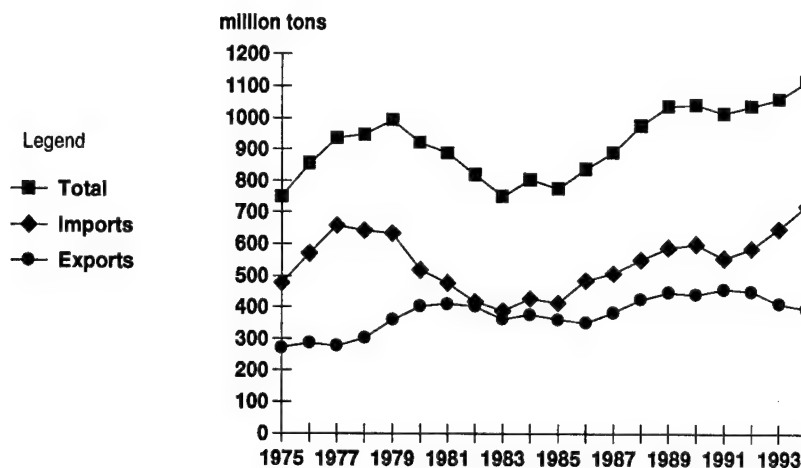


Table 1-6: FOREIGN WATERBORNE COMMERCE, 1975-1994
IMPORTS AND EXPORTS
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	748.7	856.0	935.3	946.1	993.4	921.4	887.1	819.7	751.1	803.3
Imports	476.6	570.3	658.1	643.2	633.0	517.5	477.2	416.6	387.8	427.1
Exports	272.1	285.6	277.1	302.9	360.4	403.9	409.9	403.1	363.3	376.2

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	774.3	837.2	891.0	976.2	1,037.9	1,041.6	1,013.6	1,037.5	1,060.0	1,115.7
Imports	412.7	486.1	507.7	549.9	589.5	600.0	555.4	586.7	648.8	719.5
Exports	361.6	351.2	383.3	426.3	448.4	441.6	458.2	450.8	411.3	396.2

Figure 1-5
FOREIGN WATERBORNE COMMERCE, 1975-1994
TOTAL, OVERSEAS AND GREAT LAKES CANADIAN TRAFFIC
(million tons)

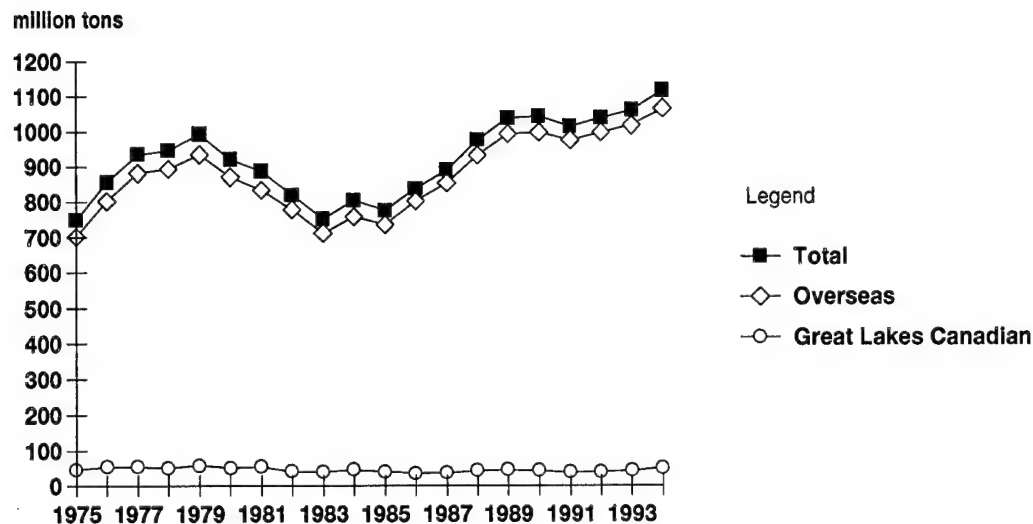


Table 1-7: FOREIGN WATERBORNE COMMERCE, 1975-1994
TOTAL, OVERSEAS AND GREAT LAKES CANADIAN TRAFFIC
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	748.7	856.0	935.3	946.1	993.4	921.4	887.1	819.7	751.1	803.3
Overseas	701.9	802.1	882.1	895.2	936.0	870.8	833.3	778.5	711.3	758.1
Great Lakes Canadian	46.8	53.9	53.2	50.9	57.4	50.6	53.8	41.2	39.9	45.2

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	774.3	837.2	891.0	976.2	1,037.9	1,041.6	1,013.6	1,037.5	1,060.0	1,115.7
Overseas	734.7	802.4	854.2	932.8	992.4	997.5	976.3	997.5	1,016.4	1,065.6
Great Lakes Canadian	39.6	34.8	36.8	43.4	45.5	44.1	37.3	39.9	43.6	50.1

Figure 1-6
DOMESTIC WATERBORNE COMMERCE, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

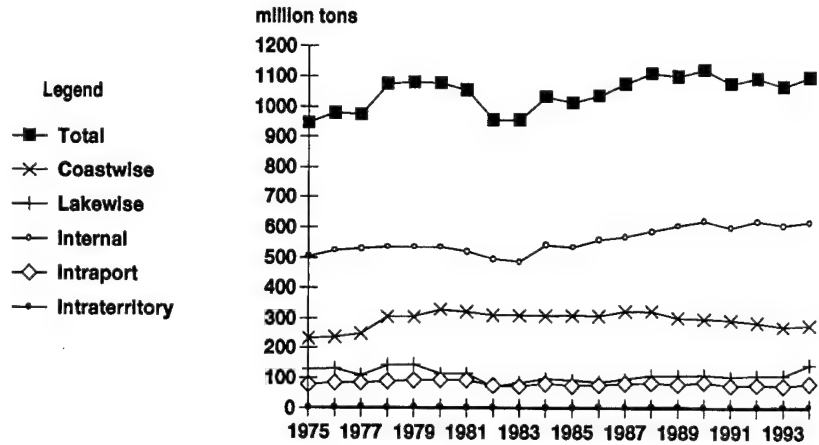


Table 1-8: DOMESTIC WATERBORNE COMMERCE, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	946.3	979.0	973.0	1,075.3	1,080.3	1,077.5	1,054.5	957.0	956.5	1,032.7
Coastwise	231.9	236.3	248.1	305.3	304.7	329.6	322.0	311.1	309.6	307.7
Lakewise	129.3	132.1	109.1	142.7	143.6	115.1	115.4	72.1	83.4	98.0
Internal	503.9	524.0	528.7	534.5	535.0	535.0	520.7	495.5	487.1	542.5
Inraport	78.3	83.7	83.4	89.5	93.1	94.2	93.2	75.6	73.1	81.1
Intraterritory	2.9	2.9	3.7	3.3	4.0	3.6	3.1	2.8	3.2	3.4

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	1,014.1	1,037.2	1,076.5	1,111.8	1,102.5	1,122.3	1,078.6	1,094.6	1,068.2	1,099.0
Coastwise	309.8	308.0	323.5	325.2	302.0	298.6	294.5	285.1	271.7	277.0
Lakewise	92.0	87.4	96.5	109.7	109.1	110.2	103.4	107.4	109.9	114.8
Internal	534.7	560.5	569.8	588.1	606.0	622.6	600.4	621.0	607.3	618.4
Inraport	74.3	77.4	82.0	83.7	80.2	86.4	75.6	76.8	74.4	82.9
Intraterritory	3.4	4.0	4.7	5.1	5.2	4.5	4.6	4.2	5.0	5.9

Figure 1-7
DOMESTIC WATERBORNE COMMERCE, 1975-1994
TON-MILES BY TYPE OF TRAFFIC
(billion ton-miles)

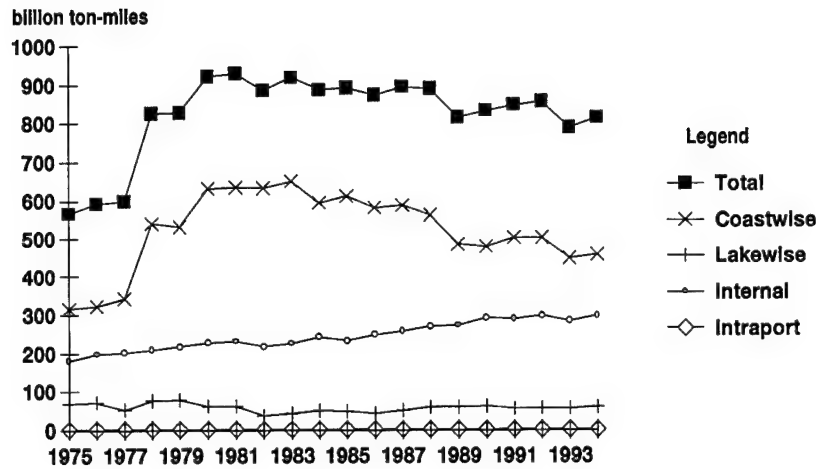


Table 1-9: DOMESTIC WATERBORNE COMMERCE, 1975-1994
TON-MILES BY TYPE OF TRAFFIC
(billion ton-miles)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	566.0	591.9	599.0	827.3	828.8	921.8	929.4	886.5	919.6	887.7
Coastwise	315.8	322.9	343.5	540.4	532.3	631.1	634.8	632.7	649.7	593.9
Lakewise	68.5	70.7	52.4	76.3	78.0	61.7	62.1	35.6	43.1	49.8
Internal	180.4	197.1	201.8	209.3	217.1	227.3	231.2	217.0	225.6	242.9
Intraport	1.2	1.2	1.3	1.3	1.4	1.6	1.3	1.1	1.1	1.2

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	893.0	873.4	895.4	890.0	815.5	833.5	848.4	856.7	789.7	814.9
Coastwise	611.0	580.9	586.8	561.6	483.9	479.1	502.1	502.3	448.4	457.6
Lakewise	48.2	43.2	50.1	58.2	58.3	60.9	55.3	55.8	56.4	58.3
Internal	232.7	248.1	257.3	269.0	272.2	292.4	290.0	297.6	283.9	297.8
Intraport	1.1	1.2	1.2	1.2	1.2	1.1	1.0	1.0	0.9	1.3

Figure 1-8
DOMESTIC WATERBORNE COMMERCE, 1975-1994
AVERAGE HAUL BY TYPE OF TRAFFIC
(miles per ton)

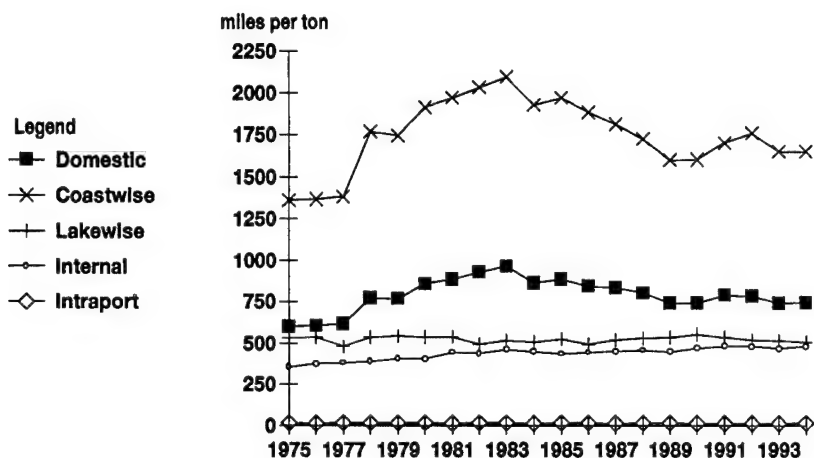


Table 1-10: DOMESTIC WATERBORNE COMMERCE, 1975-1994
AVERAGE HAUL BY TYPE OF TRAFFIC
(miles per ton)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Domestic	599.9	606.3	618.0	771.6	770.0	858.4	884.0	929.0	964.6	862.5
Coastwise	1,361.8	1,366.7	1,384.8	1,769.7	1,747.1	1,914.8	1,971.4	2,034.0	2,098.4	1,930.5
Lakewise	529.8	535.0	480.5	534.7	543.1	536.4	538.5	494.2	516.4	508.0
Internal	358.0	376.1	381.7	391.5	405.8	405.0	444.0	438.0	463.2	448.0
Intraport	15.6	13.9	15.1	14.9	15.1	16.9	14.1	14.7	15.0	14.3

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Domestic	883.5	845.3	835.4	804.3	743.2	745.7	789.9	785.7	742.7	745.5
Coastwise	1,972.2	1,885.9	1,813.9	1,727.0	1,602.1	1,604.4	1,704.8	1,761.7	1,650.4	1,651.8
Lakewise	523.8	494.5	519.0	530.3	534.5	553.1	535.0	519.4	514.0	507.6
Internal	435.2	442.7	451.6	457.5	449.1	469.6	483.0	479.3	467.5	481.5
Intraport	14.8	15.5	14.4	14.8	14.9	12.6	12.8	12.4	12.4	15.6

Figure 1-9
DOMESTIC WATERBORNE COMMERCE, 1975-1994
BY COMMODITY GROUP
(million tons)

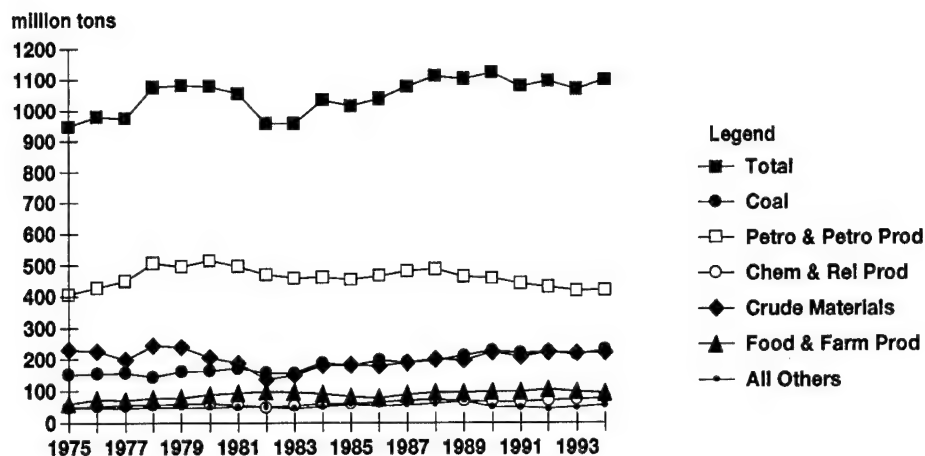


Table 1-11: DOMESTIC WATERBORNE COMMERCE, 1975-1994
BY COMMODITY GROUP
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	946.3	979.0	973.0	1,075.3	1,080.3	1,077.5	1,054.5	957.0	956.5	1,032.7
Coal	152.8	154.2	156.3	143.8	160.5	164.1	171.5	156.5	155.5	189.5
Petro & Petro Prod	406.3	427.1	449.3	506.2	495.4	513.4	495.2	469.2	458.0	460.6
Chem & Rel Prod	47.9	52.2	54.4	55.9	60.6	59.5	56.3	47.5	52.8	60.1
Crude Materials	231.2	226.1	198.5	243.6	238.8	205.4	187.4	136.3	149.9	180.5
Primary Manuf Goods	22.0	22.9	24.2	23.8	24.1	22.4	23.4	18.8	20.1	22.9
Food & Farm Prod	60.9	73.8	71.1	76.5	78.5	88.7	93.3	98.3	95.9	91.2
All Manuf Equip	4.0	4.7	4.2	5.3	4.3	4.3	4.1	3.4	3.0	3.1
Other	25.1	22.8	19.2	25.6	22.5	24.1	23.2	27.0	21.3	24.9

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	1,014.1	1,037.2	1,076.5	1,111.8	1,102.5	1,122.3	1,078.6	1,094.6	1,068.2	1,099.0
Coal	179.8	196.7	190.6	196.8	210.9	227.1	219.8	223.5	214.7	231.3
Petro & Petro Prod	453.5	466.8	480.3	487.2	463.5	457.7	440.7	429.4	416.9	420.8
Chem & Rel Prod	59.7	63.7	70.3	73.3	68.6	67.4	65.4	70.1	72.8	78.5
Crude Materials	181.4	179.5	189.2	200.5	196.2	222.4	206.7	223.0	218.6	220.9
Primary Manuf Goods	25.2	24.8	24.3	24.6	24.9	25.5	25.4	25.8	28.5	35.7
Food & Farm Prod	82.1	77.8	90.2	95.3	94.7	98.6	98.2	105.3	98.3	93.3
All Manuf Equip	4.3	3.4	4.4	5.3	5.3	8.1	8.1	10.6	11.6	12.5
Other	28.1	24.5	27.1	28.9	38.4	15.5	14.4	6.9	6.8	5.8

Table 1-12: DOMESTIC COMMERCE, 1993-1994
 COMPARED BY TYPE OF TRAFFIC, BARGE AND SELF-PROPELLED
 (million tons)

	1993	1994	% Change
Domestic Traffic	1,068.2	1,099.0	2.9
Coastwise	271.7	277.0	2.0
Lakewise	109.9	114.8	4.5
Internal	607.3	618.4	1.82
Intraport	74.4	82.9	11.42
Intraterritory	5.0	5.9	19.4
Barge Traffic	753.3	782.0	3.8
Coastwise	93.9	95.2	1.4
Lakewise	8.6	8.6	-0.2
Internal	579.3	594.4	2.6
Intraport	67.0	78.8	17.6
Intraterritory	4.6	5.1	10.3
Self-Propelled Traffic	314.9	317.0	0.7
Coastwise	177.8	181.8	2.3
Lakewise	101.2	106.2	4.9
Internal	28.0	24.0	-14.4
Intraport	7.4	4.1	-44.6
Intraterritory	0.4	0.9	129.2

Figure 1-10
DOMESTIC COMMERCE, 1994
COMPARED BY TYPE OF TRAFFIC, BARGE AND SELF-PROPELLED
(million tons and percentage of tons)

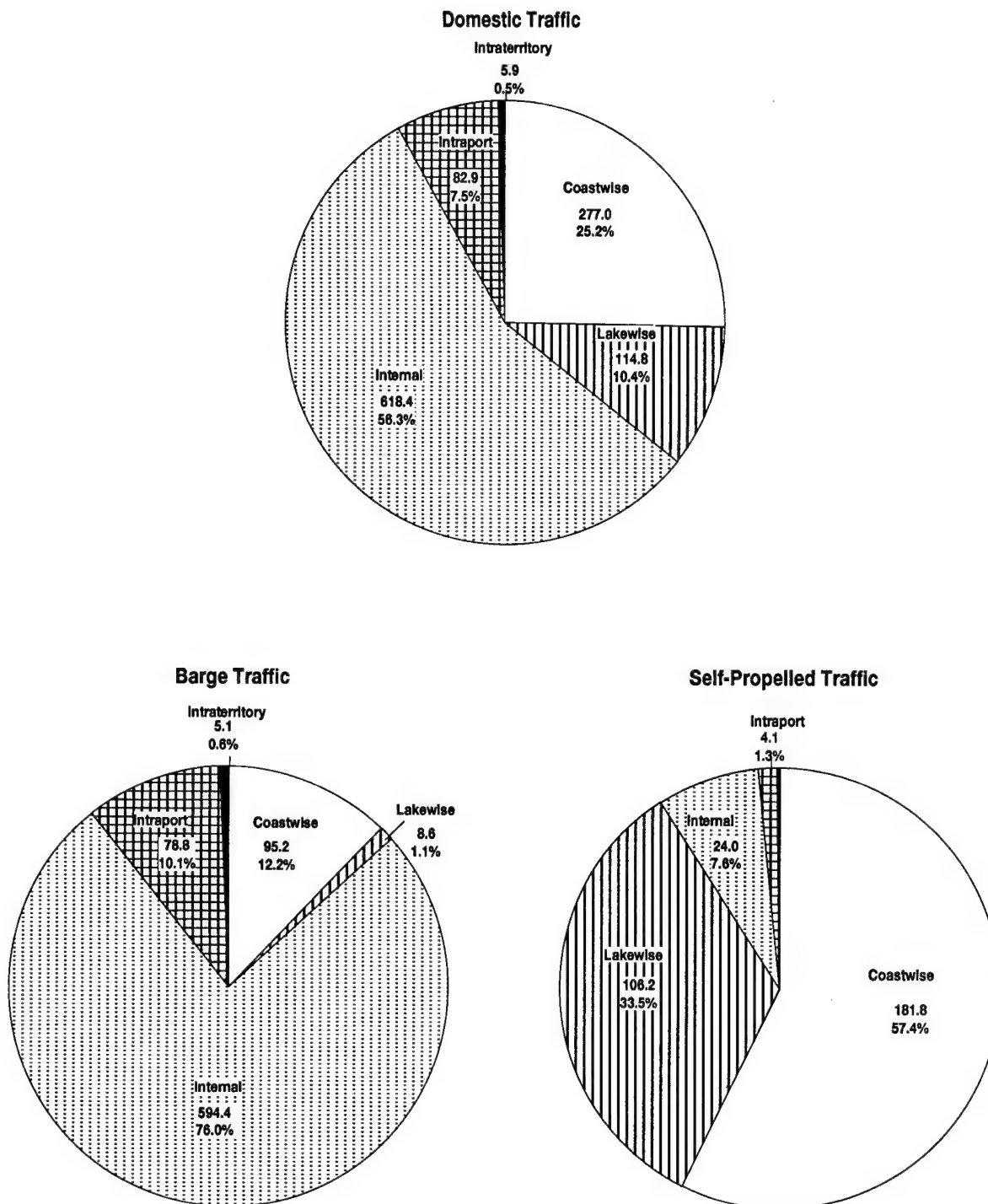


Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 1994
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS
 (tons)

Commodity	Canada				Mexico			
	Imports from	%	Exports to	%	Imports from	%	Exports to	%
Total, all commodities	51,651,015	7.2	31,733,757	8.0	63,059,394	8.8	10,916,007	2.8
Total coal	742,350	7.1	10,694,935	14.8	64,596	0.6	242,229	0.3
1100 coal lignite	554,855	8.0	10,349,477	14.4	64,596	0.9	214,227	0.3
1200 coal coke	187,495	5.4	345,458	59.5	-----	-----	28,002	4.8
Total petroleum and petroleum products	10,894,307	2.2	3,048,992	5.8	48,308,076	9.9	3,489,499	6.7
Subtotal crude Petroleum	2,304,225	0.6	-----	-----	45,405,229	11.7	-----	-----
2100 crude petroleum	2,304,225	0.6	-----	-----	45,405,229	11.7	-----	-----
Subtotal petroleum products	8,590,082	8.5	3,048,992	5.8	2,902,847	2.9	3,489,499	6.7
2211 gasoline	3,566,646	22.3	112,055	3.5	-----	-----	1,530,665	47.5
2221 kerosene	49,280	1.0	444,142	48.9	217,560	4.5	6,699	0.7
2330 distillate fuel oil	3,437,806	25.5	430,185	5.6	353,641	2.6	65,612	0.8
2340 residual fuel oil	820,873	2.3	476,322	5.7	64,985	0.2	1,592,531	19.0
2350 lube oil & greases	129,522	1.3	19,042	1.4	105,001	1.1	59,448	4.5
2410 petro. jelly & waxes	-----	-----	-----	-----	-----	-----	3,607	3.0
2429 naphtha & solvents	195,612	1.5	83,490	1.3	1,612,730	12.1	36,265	0.6
2430 asphalt, tar & pitch	74,638	11.7	105,662	3.3	46,757	7.3	143,725	4.5
2540 petroleum coke	308,724	25.2	1,377,302	7.2	-----	-----	50,377	0.3
2640 liquid natural gas	6,981	0.1	792	0.0	502,173	9.4	570	0.0
Total chemicals and related products	32,279,120	14.0	1,062,322	2.4	1,765,607	7.5	1,887,058	4.2
Subtotal fertilizers	981,835	19.3	33,304	0.2	389,007	7.6	478,380	3.1
3110 nitrogenous fert.	82,765	3.1	21	0.0	365,163	13.7	253,241	13.2
3120 phosphatic fert.	22,427	28.5	6,074	0.7	-----	-----	-----	-----
3130 potassic fert.	875,148	53.6	27,187	2.2	-----	-----	-----	-----
3190 fert. & mixes nec	1,495	0.2	22	0.0	23,844	3.3	225,139	1.9
Subtotal other chemicals and related products	2,297,285	12.5	1,029,018	3.5	1,376,600	7.5	1,408,678	4.8
3211 acyclic hydrocarbons	3,274	0.6	2,162	0.3	58,318	10.8	149,034	22.6
3212 benzene & toluene	160,780	41.6	3,754	2.9	29,722	7.7	3,496	2.7
3219 other hydrocarbons	149,652	17.8	43,720	0.9	14,314	1.7	566,104	11.8
3220 alcohols	705,148	21.7	1,110	0.1	140,487	4.3	129,475	5.9
3230 carboxylic acids	664	0.1	272	0.0	369,400	44.5	8,418	0.4
3240 nitrogen func. comp.	22,054	7.1	1,167	0.1	4,846	1.6	16,197	1.1
3250 organo- inorgan. comp	111	0.0	60	0.0	29	0.0	500	0.1
3260 organic comp. nec	607,230	26.0	136,315	10.4	71,357	3.1	325,155	24.7
3272 sulphuric acid	186,427	26.7	-----	-----	20,907	3.0	-----	-----
3273 ammonia	144,134	4.0	-----	-----	603,477	16.6	23,148	7.6

Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 1994 (continued)
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS
 (tons)

Commodity	Canada				Mexico			
	Imports from	%	Exports to	%	Imports from	%	Exports to	%
3274 sodium hydroxide	102,515	12.7	765,490	40.8	16,401	2.0	11,866	0.6
3275 inorg. elem., oxides, & halogen salts	48,675	7.5	14,770	1.0	1,452	0.2	54,406	3.6
3276 metallic salts	61,601	7.9	49,045	1.2	11,534	1.5	22,575	0.5
3279 inorganic chem. nec	3,330	2.8	152	0.3	41	0.0	524	1.0
3281 radioactive material	2	0.0	-----	-----	48	0.2	-----	-----
3282 pigments & paints	468	0.3	96	0.0	289	0.2	2,489	0.5
3283 coloring mat. nec	1	0.0	7	0.0	73	0.1	276	0.4
3284 medicines	1,217	1.0	30	0.0	628	0.5	484	0.4
3285 perfumes & cleansers	406	0.2	3,048	0.5	1,782	0.9	4,303	0.8
3286 plastics	62,738	4.4	3,181	0.1	13,320	0.9	23,497	0.5
3291 pesticides	-----	-----	631	0.4	14,784	25.6	2,899	2.0
3292 starches, gluten, glue	34,881	12.0	148	0.1	97	0.0	3,771	1.9
3293 explosives	840	1.3	-----	-----	-----	-----	-----	-----
3297 chemical additives	-----	-----	1,262	0.2	-----	-----	3,141	0.5
3298 wood & resin chem.	12	0.0	121	0.0	-----	-----	3,889	1.3
3299 chem. products nec	1,125	0.3	2,477	0.4	3,294	1.0	53,031	8.7
Total crude materials, inedible except fuels	29,078,519	35.3	13,750,896	20.8	15,542,136	18.9	458,170	5
Subtotal forest products, wood and chips	1,136,614	33.0	274,961	1.2	28,970	0.8	36,155	0.2
4110 rubber & gums	1,162	0.1	250	0.6	-----	-----	15,082	38.4
4150 fuel wood	112,017	89.5	98	0.1	-----	-----	68	0.1
4161 wood chips	11,679	97.9	149,003	1.8	-----	-----	-----	-----
4170 wood in the rough	229,936	59.4	124,583	1.1	1,142	0.3	11,913	0.1
4189 lumber	781,648	51.5	1,000	0.0	114	0.0	8,886	0.3
4190 forest products nec	172	0.1	27	0.1	27,714	12.4	206	0.5
Subtotal pulp and waste paper	88,265	9.9	26,623	0.2	-----	-----	6,095	0.1
4225 pulp & waste paper	88,265	9.9	26,623	0.2	-----	-----	6,095	0.1
Subtotal soil, sand, gravel, rock and stone	11,244,060	52.2	5,205,861	57.4	12,145,124	56.4	79,840	0.9
4310 building stone	3,410	7.3	119	0.1	-----	-----	231	0.2
4322 limestone	2,541,948	70.0	3,100,992	99.4	278,976	7.7	23	0.0
4323 gypsum	6,284,821	68.0	74,717	60.6	2,076,150	22.5	6	0.0
4327 phosphate rock	11,550	1.7	153,777	4.4	-----	-----	-----	-----
4331 sand & gravel	2,402,331	30.3	1,876,256	84.2	4,894,999	61.8	39,790	1.8
Subtotal iron ore and scrap	12,231,720	60.5	6,237,498	45.7	-----	-----	281,668	2.1
4410 iron ore	11,925,529	61.2	6,180,505	100.0	-----	-----	-----	-----
4420 iron & steel scrap	306,191	42.9	56,993	0.8	-----	-----	281,668	3.8

TOTALS: NAFTA 1-19

Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 1994 (continued)
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS
 (tons)

Commodity	Canada				Mexico			
	Imports from	%	Exports to	%	Imports from	%	Exports to	%
Subtotal marine shells	----	----	----	----	----	----	22	0.3
4515 marine shells	----	----	----	----	----	----	22	0.3
Subtotal non-ferous ores and scrap	246,492	1.3	1,120,136	38.0	41,684	0.2	372	0.0
4650 aluminum ore	73,921	0.5	960,071	76.6	----	----	----	----
4670 manganese ore	----	----	----	----	38,371	10.0	----	----
4680 non-ferrous scrap	124,560	17.0	112	0.0	70	0.0	160	0.0
4690 non-ferrous ores nec	48,011	4.1	159,953	22.1	3,243	0.3	212	0.0
Subtotal sulphur clay and salt	222,693	16.8	278,084	5.9	531,805	40.2	41,762	0.9
4741 sulphur, (dry)	----	----	35,348	5.1	531,782	92.8	41,633	6.0
4782 clay & refrac. mat.	222,693	29.6	242,736	6.1	23	0.0	129	0.0
Subtotal slag	171,993	68.0	3,011	27.2	----	----	----	----
4860 slag	171,993	68.0	3,011	27.2	----	----	----	----
Subtotal other non-metal min.	3,736,682	23.3	604,722	44.6	2,794,553	17.5	12,256	0.9
4900 non-metal. min. nec	3,736,682	23.3	604,722	44.6	2,794,553	17.5	12,256	0.9
Total primary manufactured goods	4,333,110	7.6	298,297	2.4	1,802,513	3.2	81,252	0.6
Subtotal paper products	1,411,009	36.1	5,454	0.1	1,415	0.0	32,044	0.5
5110 newsprint	1,275,111	91.7	252	0.0	----	----	6,690	0.7
5120 paper & paperboard	132,270	5.9	3,623	0.1	475	0.0	19,558	0.3
5190 paper products nec	3,628	1.4	1,579	0.4	940	0.4	5,796	1.5
Subtotal lime, cement and glass	2,707,552	19.9	258,123	17.0	416,857	3.1	13,788	0.9
5210 lime	507	93.0	----	----	----	----	2	0.0
5220 cement & concrete	2,693,460	26.1	254,368	80.0	391,225	3.8	335	0.1
5240 glass & glass prod.	242	0.0	1,326	0.3	950	0.1	2,804	0.7
5290 misc. mineral prod.	13,343	0.5	2,429	0.3	24,682	0.9	10,647	1.4
Subtotal primary iron and steel products	92,914	0.3	28,770	2.3	1,379,358	4.3	18,968	1.5
5312 pig iron	58,474	1.6	----	----	----	----	----	----
5315 ferro alloys	----	----	----	----	48,571	3.7	133	0.3
5320 i&s primary forms	13,127	0.2	19,719	23.6	1,281,615	16.5	350	0.4
5330 i&s plates & sheets	11,968	0.1	4,709	1.6	657	0.0	112	0.0
5360 i&s bars & shapes	7,815	0.3	2,591	1.5	755	0.0	1,945	1.1
5370 i&s pipe & tube	969	0.0	613	0.1	47,666	2.4	15,254	2.8
5390 primary i&s nec	561	0.1	1,138	3.1	94	0.0	1,174	3.2
Subtotal primary non-ferrous metal	52,929	0.9	5,134	0.3	2,674	0.0	13,558	0.8
5421 copper	16	0.0	55	0.0	39	0.0	195	0.1
5422 aluminum	44,529	2.9	136	0.0	17	0.0	2,627	0.4

Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 1994 (continued)
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS
 (tons)

Commodity	Canada				Mexico			
	Imports from	%	Exports to	%	Imports from	%	Exports to	%
5429 smelted prod. nec	2,886	0.6	613	0.3	180	0.0	665	0.3
5480 fab. metal products	5,498	0.2	4,330	0.6	2,438	0.1	10,071	1.5
Subtotal primary wood products	68,706	4.9	816	0.1	2,209	0.2	2,894	0.3
5540 primary wood prod.	68,706	4.9	816	0.1	2,209	0.2	2,894	0.3
Total food and farm products	2,636,688	9.9	2,658,032	2.0	310,972	1.2	4,691,387	3.5
Subtotal fish	14,759	1.6	9,412	1.2	1,165	0.1	2,425	0.3
6134 fish (not shellfish)	13,260	2.7	8,731	1.3	631	0.1	2,185	0.3
6136 shellfish	1,499	0.4	681	0.5	534	0.1	240	0.2
Subtotal grain	2,477,780	65.8	2,114,514	2.7	----	----	3,414,512	4.3
6241 wheat	935,509	96.7	778,131	2.3	----	----	326,265	1.0
6344 corn	6	0.0	743,662	2.0	----	----	1,681,710	4.5
6442 rice	38	0.0	449	0.0	----	----	41,247	1.4
6443 barley & rye	760,199	88.0	592,272	35.7	----	----	----	----
6445 oats	782,028	48.1	----	----	----	----	----	----
6447 sorghum grains	----	----	----	----	----	----	1,365,290	34.0
Subtotal oilseeds	266	0.3	468,659	2.5	769	1.0	991,396	5.2
6521 peanuts	----	----	609	0.5	----	----	1,963	1.6
6522 soybeans	----	----	467,731	2.5	----	----	989,037	5.3
6534 flaxseed	23	20.2	----	----	----	----	----	----
6590 oilseeds nec	243	0.3	319	0.1	769	1.0	396	0.1
Subtotal vegetable products	65,809	2.5	5,015	0.1	6,918	0.3	75,850	2.0
6653 vegetable oils	25,826	1.9	136	0.0	4,989	0.4	73,423	4.2
6654 vegetables & prod.	39,983	3.2	4,879	0.2	1,929	0.2	2,427	0.1
Subtotal processed grain and animal feed	37,846	3.7	10,999	0.1	934	0.1	53,298	0.3
6746 wheat flour	686	5.6	10	0.0	23	0.2	3,124	0.3
6747 grain mill products	740	0.2	1,884	0.3	911	0.2	2,392	0.4
6781 hay & fodder	31,621	97.9	125	0.0	----	----	171	0.0
6782 animal feed, prep.	4,799	0.9	8,980	0.1	----	----	47,611	0.3
Subtotal other agricultural products	40,228	0.2	49,433	0.4	301,186	1.6	153,906	1.1
6811 meat, fresh, frozen	3,040	0.4	1,214	0.1	236	0.0	14,754	0.6
6817 meat, prepared	329	0.2	96	0.1	----	----	952	1.1
6822 dairy products	1,257	0.5	2,418	0.7	270	0.1	9,192	2.8
6835 fish, prepared	5,607	1.9	1,513	1.6	48	0.0	1,247	1.3
6838 tallow, animal oils	216	1.0	66	0.0	----	----	78,761	5.8
6839 animals & prod. nec	1,233	0.8	9,052	1.0	733	0.5	3,612	0.4
6856 bananas & plantains	----	----	----	----	58,799	1.3	633	29.7
6857 fruit & nuts nec	1,041	0.1	538	0.0	2,511	0.2	7,133	0.3

TOTALS: NAFTA 1-21

Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 1994 (continued)
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS
 (tons)

Commodity	Canada				Mexico			
	Imports from	%	Exports to	%	Imports from	%	Exports to	%
6858 fruit juices	783	0.0	1,627	0.2	1,013	0.1	3,435	0.5
6861 sugar	-----	-----	19	0.0	-----	-----	653	0.3
6865 molasses	-----	-----	-----	-----	167,496	9.7	-----	-----
6871 coffee	1,787	0.2	2,331	1.2	19,277	2.1	1,242	0.6
6872 cocoa beans	100	0.0	10,409	39.2	1,149	0.2	3,354	12.6
6885 alcoholic beverages	3,894	0.2	14,088	1.5	43,858	1.9	5,521	0.6
6888 water & ice	728	0.2	2,301	5.2	109	0.0	156	0.4
6889 food products nec	5,013	0.6	3,594	0.3	4,997	0.6	18,367	1.3
6891 tobacco & products	37	0.0	-----	-----	473	0.2	2,478	0.4
6893 cotton	17	0.3	112	0.0	19	0.3	731	0.0
6894 natural fibers nec	29	0.1	-----	-----	123	0.3	20	0.5
6899 farm products nec	15,117	15.0	55	0.0	75	0.1	1,665	1.1
Total all manufactured equipment, machinery and products	656,990	2.1	113,535	1.0	131,475	0.4	99,093	0.9
7110 machinery (not elec)	23,124	0.4	61,360	2.1	1,063	0.0	32,813	1.1
7120 electrical machinery	3,118	0.1	29,125	1.9	29,002	0.7	8,386	0.5
7210 vehicles & parts	548,458	7.8	718	0.0	38,565	0.6	4,161	0.2
7220 aircraft & parts	29	0.2	-----	-----	13	0.1	10	0.0
7230 ships & boats	6,687	10.7	11,136	6.7	20	0.0	1,455	0.9
7300 ordnance & access.	-----	-----	73	0.1	36	0.1	57	0.1
7400 manufac. wood prod.	2,921	0.7	390	0.2	310	0.1	1,602	0.8
7500 textile products	5,024	0.1	1,209	0.1	56,550	1.4	17,919	0.9
7600 rubber & plastic pr.	60,434	2.3	2,715	0.2	805	0.0	14,429	1.2
7900 manufac. prod. nec	7,195	0.1	6,809	0.4	5,111	0.1	18,261	1.2
Total unknown or nec	29,931	3.7	106,748	17.7	29,016	3.6	7,109	1.2
9900 unknown or nec	29,931	3.7	106,748	17.7	29,016	3.6	7,109	1.2

Section 2

Commodities

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE
BY TYPE OF TRAFFIC AND COMMODITY

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	1,788,435	1990	2,163,854
1986	1,874,416	1991	2,092,108
1987	1,967,460	1992	2,133,310
1988	2,087,993	1993	2,128,221
1989	2,140,442	1994	2,214,754

Freight Traffic, 1994
(thousand tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
Total, all commodities	2,214,754	719,497	396,246	1,099,011	277,029	114,777	618,409	82,870	5,926
Total coal	314,135	10,446	72,386	231,302	12,272	23,238	182,164	13,628	-----
1100 coal lignite	304,508	6,956	71,805	225,747	12,272	22,956	177,202	13,317	-----
1200 coal coke	9,627	3,491	581	5,556	0	282	4,963	311	-----
Total petroleum and petroleum products	961,329	488,195	52,381	420,753	209,156	2,033	160,793	43,147	5,625
Subtotal crude petroleum	531,467	387,335	68	144,064	97,623	-----	44,184	2,257	-----
2100 crude petroleum	531,467	387,335	68	144,064	97,623	-----	44,184	2,257	-----
Subtotal petroleum products	429,863	100,861	52,313	276,689	111,532	2,033	116,609	40,890	5,625
2211 gasoline	119,148	16,027	3,223	99,898	54,478	317	35,355	7,652	2,095
2221 kerosene	7,806	4,796	908	2,102	400	-----	1,076	627	-----
2330 distillate fuel oil	81,411	13,493	7,721	60,197	26,049	361	22,271	10,447	1,070
2340 residual fuel oil	123,387	36,040	8,367	78,980	23,552	203	33,705	19,121	2,399
2350 lube oil & greases	16,951	9,932	1,315	5,704	2,121	1	2,942	640	-----
2410 petro. jelly & waxes	303	58	122	123	48	-----	73	1	-----
2429 naphtha & solvents	26,180	13,334	6,530	6,316	1,149	-----	4,098	1,029	41
2430 asphalt, tar & pitch	16,568	638	3,212	12,718	2,543	1,116	8,642	418	0
2540 petroleum coke	23,993	1,224	19,008	3,760	5	35	3,264	456	-----
2640 liquid natural gas	9,625	5,317	1,907	2,401	369	1	2,010	20	1
2990 petro. products nec	4,490	-----	-----	4,490	819	-----	3,173	480	18

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE
 BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
Total chemicals and related products	146,947	23,480	44,933	78,533	16,060	126	52,475	9,766	107
Subtotal fertilizers	36,539	5,095	15,617	15,828	2,094	0	13,367	366	-----
3110 nitrogenous fert.	11,413	2,662	1,914	6,837	460	-----	6,278	99	-----
3120 phosphatic fert.	2,679	79	871	1,730	194	-----	1,534	2	-----
3130 potassic fert.	4,633	1,633	1,243	1,757	79	-----	1,655	23	-----
3190 fert. & mixes nec	17,814	721	11,589	5,504	1,362	0	3,901	242	-----
Subtotal other chemicals and related products	110,407	18,385	29,317	62,706	13,966	126	39,108	9,399	107
3211 acyclic hydrocarbons	3,180	542	660	1,978	43	0	1,803	131	-----
3212 benzene & toluene	6,491	386	128	5,976	209	5	3,826	1,882	54
3219 other hydrocarbons	18,340	839	4,781	12,720	2,553	-----	8,017	2,097	53
3220 alcohols	12,984	3,246	2,189	7,549	1,145	-----	5,143	1,260	-----
3230 carboxylic acids	4,561	831	1,924	1,806	274	-----	927	605	-----
3240 nitrogen func. comp.	3,294	312	1,536	1,445	10	-----	1,429	7	-----
3250 organo-inorgan. comp	767	272	494	1	1	-----	-----	-----	-----
3260 organic comp. nec	5,142	2,336	1,314	1,493	208	-----	1,245	41	-----
3271 sulphur (liquid)	8,735	0	279	8,456	4,181	-----	4,157	118	-----
3272 sulphuric acid	2,723	699	67	1,957	30	-----	1,398	529	-----
3273 ammonia	7,040	3,630	306	3,103	693	-----	2,391	19	-----
3274 sodium hydroxide	9,035	808	1,877	6,349	1,468	-----	4,464	417	-----
3275 inorg. elem., oxides, & halogen salts	3,870	651	1,531	1,689	24	-----	924	741	-----
3276 metallic salts	5,662	784	4,142	737	78	121	527	11	-----
3279 inorganic chem. nec	230	117	52	62	3	-----	59	-----	-----
3281 radioactive material	34	19	12	3	3	-----	-----	-----	-----
3282 pigments & paints	721	178	487	57	57	-----	0	-----	-----
3283 coloring mat. nec	176	104	62	10	10	-----	-----	-----	-----
3284 medicines	417	116	126	175	173	-----	1	-----	-----
3285 perfumes & cleansers	988	189	558	241	238	-----	3	-----	-----
3286 plastics	6,477	1,442	4,840	196	191	-----	5	-----	-----

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE
BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
3291 pesticides	224	58	143	23	17	-----	-----	6	-----
3292 starches, gluten, glue	502	290	196	16	12	-----	4	-----	-----
3293 explosives	82	62	14	5	4	-----	1	-----	-----
3297 chemical additives	6,061	84	690	5,287	1,921	-----	2,026	1,339	-----
3298 wood & resin chem.	644	46	298	300	110	-----	190	-----	-----
3299 chem. products nec	2,025	343	611	1,071	310	0	568	194	-----
Total crude materials, inedible except fuels*	369,325	82,434	65,959	220,932	16,204	85,311	108,255	11,128	35
Subtotal forest products, wood and chips	47,034	3,443	23,287	20,304	1,674	2	16,449	2,179	-----
4110 rubber & gums	1,224	1,179	39	6	3	-----	3	-----	-----
4150 fuel wood	385	125	89	170	23	0	147	0	-----
4161 wood chips	15,932	12	8,438	7,482	614	-----	6,863	5	-----
4170 wood in the rough	23,011	387	11,129	11,495	177	2	9,142	2,173	-----
4189 lumber	5,952	1,517	3,548	886	832	0	54	0	-----
4190 forest products nec	530	223	43	265	26	-----	239	-----	-----
Subtotal pulp and waste paper	12,294	895	10,958	441	60	-----	378	2	-----
4225 pulp & waste paper	12,294	895	10,958	441	60	-----	378	2	-----
Subtotal soil, sand, gravel, rock and stone*	147,772	21,536	9,067	117,168	13,681	27,450	67,491	8,511	35
4310 building stone	208	47	137	25	2	1	21	-----	-----
4322 limestone	51,775	3,631	3,121	45,023	105	25,439	19,383	97	-----
4323 gypsum	10,698	9,241	123	1,334	2	977	354	-----	-----
4327 phosphate rock	10,512	696	3,457	6,360	6,286	-----	64	10	-----
4331 sand & gravel	74,177	7,922	2,229	64,026	7,277	1,033	47,330	8,352	35
4333 dredged material	342	-----	-----	342	0	-----	316	26	-----
4338 soil & fill dirt	59	-----	-----	59	10	0	23	27	-----
Subtotal iron ore and scrap	99,832	20,213	13,642	65,977	264	56,098	9,250	366	-----
4410 iron ore	86,961	19,498	6,182	61,280	0	56,042	5,210	28	-----
4420 iron & steel scrap	12,872	714	7,460	4,697	263	56	4,040	337	-----
Subtotal marine shells	648	3	7	638	0	-----	638	-----	-----
4515 marine shells	648	3	7	638	0	-----	638	-----	-----

*Does not include 9.7 million tons of waterway improvement material.

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE
BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
Subtotal non-ferrous ores and scrap	25,989	18,763	2,946	4,280	59	-----	4,216	5	-----
4630 copper ore	474	123	325	26	0	-----	26	-----	-----
4650 aluminum ore	20,917	16,360	1,253	3,304	0	-----	3,302	2	-----
4670 manganese ore	856	384	9	463	0	-----	459	4	-----
4680 non-ferrous scrap	1,469	732	634	103	5	-----	97	-----	-----
4690 non-ferrous ores nec	2,274	1,163	725	385	53	-----	332	-----	-----
Subtotal sulphur, clay and salt	7,087	1,324	4,686	1,077	158	35	869	15	-----
4741 sulphur, (dry)	1,269	573	695	2	2	-----	-----	-----	-----
4782 clay & refrac. mat.	5,817	751	3,991	1,075	156	35	869	15	-----
Subtotal slag	1,627	253	11	1,363	14	500	819	30	-----
4860 slag	1,627	253	11	1,363	14	500	819	30	-----
Subtotal other non-metal. min.	27,042	16,004	1,355	9,683	293	1,225	8,144	21	-----
4900 non-metal. min. nec	27,042	16,004	1,355	9,683	293	1,225	8,144	21	-----
Total primary manufactured goods	105,002	56,713	12,531	35,758	6,590	3,551	24,881	734	1
Subtotal paper products	12,387	3,905	7,005	1,477	569	-----	907	1	-----
5110 newsprint	2,474	1,390	1,003	81	13	-----	69	-----	-----
5120 paper & paperboard	8,782	2,254	5,605	923	174	-----	748	1	-----
5190 paper products nec	1,131	261	397	473	382	-----	90	0	-----
Subtotal lime, cement and glass	30,917	13,592	1,516	15,809	2,961	3,140	9,045	663	-----
5210 lime	1,928	1	5	1,923	-----	-----	1,923	-----	-----
5220 cement & concrete	23,963	10,305	318	13,340	2,574	3,140	6,968	658	-----
5240 glass & glass prod.	1,137	647	420	69	58	-----	12	-----	-----
5290 misc. mineral prod.	3,889	2,640	772	477	329	0	142	5	-----
Subtotal primary iron and steel products	46,351	32,045	1,235	13,071	178	411	12,434	47	-----
5312 pig iron	6,432	3,747	53	2,633	0	9	2,621	3	-----
5315 ferro alloys	2,670	1,325	49	1,296	1	-----	1,293	2	-----
5320 i&s primary forms	10,999	7,774	83	3,142	47	15	3,078	3	-----
5330 i&s plates & sheets	16,963	13,550	298	3,115	12	-----	3,081	23	-----
5360 i&s bars & shapes	4,030	3,014	173	843	52	115	672	5	-----

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE
BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
5370 i&s pipe & tube	3,143	2,014	542	587	45	0	541	2	-----
5390 primary i&s nec	2,114	622	37	1,455	22	273	1,150	9	-----
Subtotal primary non-ferrous metal products	12,504	5,781	1,743	4,979	2,694	0	2,261	23	1
5421 copper	785	478	257	50	13	-----	37	-----	-----
5422 aluminum	2,647	1,529	614	504	25	-----	479	-----	-----
5429 smelted prod. nec	797	475	190	132	11	-----	120	-----	-----
5480 fab. metal products	8,275	3,299	682	4,293	2,644	0	1,625	23	1
Subtotal primary wood products	2,844	1,389	1,032	422	188	-----	234	-----	-----
5540 primary wood prod.	2,844	1,389	1,032	422	188	-----	234	-----	-----
Total food and farm products	255,826	26,665	135,863	93,298	8,848	474	83,513	444	19
Subtotal fish	2,703	898	812	993	222	-----	751	20	-----
6134 fish (not shellfish)	1,864	483	683	698	207	-----	483	8	-----
6136 shellfish	839	415	129	295	15	-----	267	13	-----
Subtotal grain	133,124	3,763	79,273	50,087	705	473	48,817	91	2
6241 wheat	47,403	967	33,316	13,120	236	473	12,359	52	-----
6344 corn	69,366	30	37,354	31,982	282	-----	31,677	21	2
6442 rice	4,813	275	2,914	1,624	173	-----	1,449	2	-----
6443 barley & rye	2,822	864	1,660	298	4	-----	294	-----	-----
6445 oats	2,367	1,627	12	728	10	-----	705	13	-----
6447 sorghum grains	6,352	0	4,017	2,335	-----	-----	2,332	3	-----
Subtotal oilseeds	38,683	80	19,117	19,486	98	-----	19,340	48	-----
6521 peanuts	121	1	120	1	1	-----	-----	-----	-----
6522 soybeans	35,723	1	18,670	17,053	9	-----	16,995	48	-----
6534 flaxseed	0	0	0	-----	-----	-----	-----	-----	-----
6590 oilseeds nec	2,838	79	326	2,433	87	-----	2,346	-----	-----
Subtotal vegetable products	8,417	2,625	3,858	1,935	496	-----	1,419	19	-----
6653 vegetable oils	4,541	1,369	1,733	1,440	66	-----	1,354	19	-----
6654 vegetables & prod.	3,876	1,256	2,125	495	430	-----	65	0	-----
Subtotal processed grain and animal feed	29,746	1,018	18,766	9,962	561	0	9,302	99	-----
6746 wheat flour	1,326	12	1,204	109	81	-----	28	-----	-----
6747 grain mill products	1,500	410	671	419	109	0	309	-----	-----
6781 hay & fodder	3,027	32	2,929	66	28	0	38	-----	-----
6782 animal feed, prep.	23,893	563	13,962	9,369	342	-----	8,927	99	-----

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE
BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 1994 - continued
(thousand tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
Subtotal other agricultural products	43,152	18,281	14,036	10,835	6,766	1	3,884	166	18
6811 meat, fresh, frozen	3,613	822	2,278	513	513	-----	-----	0	-----
6817 meat, prepared	312	177	87	48	48	-----	-----	-----	-----
6822 dairy products	670	254	326	90	90	-----	0	0	-----
6835 fish, prepared	492	300	97	96	92	-----	3	0	-----
6838 tallow, animal oils	1,390	21	1,356	14	11	-----	3	-----	-----
6839 animals & prod. nec	1,669	158	947	564	544	-----	20	0	-----
6856 bananas & plantains	4,488	4,467	2	19	19	-----	-----	-----	-----
6857 fruit & nuts nec	4,078	1,520	2,425	133	132	0	1	-----	-----
6858 fruit juices	2,654	1,582	709	363	361	-----	1	1	-----
6861 sugar	4,199	1,631	250	2,317	1,859	-----	459	-----	-----
6865 molasses	2,759	1,723	223	812	241	-----	483	72	16
6871 coffee	1,144	936	194	14	12	-----	0	2	-----
6872 cocoa beans	617	570	27	21	21	-----	-----	-----	-----
6885 alcoholic beverages	3,953	2,326	946	680	680	-----	0	-----	0
6887 groceries	936	-----	-----	936	927	0	8	1	1
6888 water & ice	3,414	440	44	2,930	28	-----	2,811	90	1
6889 food products nec	3,515	895	1,406	1,214	1,131	0	83	0	-----
6891 tobacco & products	1,034	311	692	31	31	-----	-----	-----	-----
6893 cotton	1,878	6	1,870	1	1	-----	-----	-----	-----
6894 natural fibers nec	46	42	4	1	1	-----	-----	-----	-----
6899 farm products nec	293	100	154	38	25	-----	13	-----	-----
Total all manufactured equipment, machinery and products	54,924	30,759	11,589	12,577	7,760	32	4,732	43	10
7110 machinery (not elec)	11,568	5,250	2,870	3,447	296	2	3,112	37	1
7120 electrical machinery	5,863	4,065	1,559	239	238	0	1	-----	0
7210 vehicles & parts	10,149	6,990	1,995	1,164	1,146	0	9	1	7
7220 aircraft & parts	50	15	33	1	1	-----	0	0	-----
7230 ships & boats	299	63	167	69	58	0	9	1	-----
7300 ordnance & access.	151	41	100	9	8	-----	1	-----	-----
7400 manufac. wood prod.	853	398	205	249	242	0	7	0	-----
7500 textile products	6,141	4,018	1,910	213	154	-----	59	0	-----

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE
 BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Inraport	Intra-Territory
7600 rubber & plastic pr.	4,104	2,621	1,232	251	144	-----	107	0	-----
7800 empty containers	56	-----	-----	56	-----	-----	56	-----	-----
7900 manufac. prod. nec	15,691	7,297	1,517	6,877	5,472	30	1,370	3	2
Total waste and scrap nec	5,571	-----	-----	5,571	2	0	1,587	3,981	-----
8900 waste and scrap nec	5,571	-----	-----	5,571	2	0	1,587	3,981	-----
Total unknown or not elsewhere classified	1,694	804	603	287	139	12	7	0	129
9900 unknown or nec	1,694	804	603	287	139	12	7	0	129

Table 2-2: SUMMARY OF DOMESTIC WATERBORNE COMMERCE, TON-MILES
BY TYPE OF TRAFFIC AND COMMODITY

Comparative Statement of Traffic
(million ton-miles)

Year	Total	Year	Total
1985	892,970	1990	833,544
1986	873,401	1991	848,399
1987	895,416	1992	856,685
1988	890,028	1993	789,657
1989	815,550	1994	814,919

Freight Traffic, 1994
(million ton-miles)

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
Total, all commodities	814,919	457,600	58,263	297,762	1,292
Total coal	102,445	8,018	11,814	82,167	445
1100 coal lignite	97,709	8,017	11,706	77,555	429
1200 coal coke	4,736	0	107	4,612	15
Total petroleum and petroleum products	413,211	373,863	605	38,264	478
Subtotal crude petroleum	256,655	251,738	-----	4,895	21
2100 crude petroleum	256,655	251,738	-----	4,895	21
Subtotal petroleum products	156,555	122,124	605	33,368	456
2211 gasoline	73,594	62,083	102	11,312	96
2221 kerosene	491	227	-----	255	9
2330 distillate fuel oil	30,097	25,373	91	4,477	153
2340 residual fuel oil	31,806	25,099	20	6,536	149
2350 lube oil & greases	6,147	4,324	0	1,815	7
2410 petro. jelly & waxes	170	120	-----	50	0
2429 naphtha & solvents	3,616	2,285	-----	1,323	8
2430 asphalt, tar & pitch	6,441	1,389	370	4,676	5
2540 petroleum coke	1,873	9	19	1,822	22
2640 liquid natural gas	799	281	0	517	0
2990 petro. products nec	1,515	930	-----	581	3
Total chemicals and related products	62,990	30,517	48	32,310	114
Subtotal fertilizers	14,200	2,502	0	11,696	1
3110 nitrogenous fert.	6,178	943	-----	5,234	0
3120 phosphatic fert.	737	154	-----	582	0
3130 potassic fert.	1,248	93	-----	1,154	0
3190 fert. & mixes nec	6,036	1,310	0	4,725	0
Subtotal other chemicals and related products	48,789	28,014	48	20,613	113
3211 acyclic hydrocarbons	732	176	0	554	1
3212 benzene & toluene	1,752	663	0	1,053	35
3219 other hydrocarbons	11,499	5,591	-----	5,891	16
3220 alcohols	6,668	2,729	-----	3,923	15
3230 carboxylic acids	1,273	705	-----	564	3
3240 nitrogen func. comp.	850	27	-----	823	0
3250 organo- inorgan. comp	1	1	-----	-----	-----
3260 organic comp. nec	1,591	537	-----	1,053	0
3271 sulphur (liquid)	4,343	3,959	-----	382	1
3272 sulphuric acid	287	17	-----	261	8
3273 ammonia	2,541	1,037	-----	1,503	0

Table 2-2: SUMMARY OF DOMESTIC WATERBORNE COMMERCE, TON-MILES
BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 1994 - continued
(million ton-miles)

Commodity		Grand Total	Coastwise	Lakewise	Internal	Intraport
3274	sodium hydroxide	6,350	3,335	-----	3,008	6
3275	inorg. elem., oxides, & halogen salts	506	59	-----	437	9
3276	metallic salts	327	81	48	197	0
3279	inorganic chem. nec	72	4	-----	68	-----
3281	radioactive material	5	5	-----	-----	-----
3282	pigments & paints	121	121	-----	0	-----
3283	coloring mat. nec	13	13	-----	-----	-----
3284	medicines	306	305	-----	1	-----
3285	perfumes & cleansers	458	456	-----	1	-----
3286	plastics	334	329	-----	5	-----
3291	pesticides	27	27	-----	-----	0
3292	starches, gluten, glue	18	18	-----	0	-----
3293	explosives	8	8	-----	0	-----
3297	chemical additives	7,172	6,755	-----	404	12
3298	wood & resin chem.	536	528	-----	7	-----
3299	chem. products nec	985	516	0	468	1
Total crude materials, inedible except fuels*		97,355	10,228	44,273	42,724	128
Subtotal forest products, wood and chips		5,315	2,175	0	3,127	11
4110	rubber & gums	7	3	-----	3	-----
4150	fuel wood	55	25	0	29	0
4161	wood chips	2,344	432	-----	1,911	0
4170	wood in the rough	1,294	209	0	1,073	11
4189	lumber	1,482	1,455	0	26	0
4190	forest products nec	131	48	-----	83	-----
Subtotal pulp and waste paper		128	91	-----	37	0
4225	pulp & waste paper	128	91	-----	37	0
Subtotal soil, sand, gravel, rock and stone*		31,764	7,192	8,564	15,895	112
4310	building stone	29	4	0	25	-----
4322	limestone	16,392	47	7,990	8,351	3
4323	gypsum	512	4	284	223	-----
4327	phosphate rock	5,808	5,726	-----	82	0
4331	sand & gravel	8,972	1,392	289	7,181	108
4333	dredged material	3	0	-----	3	0
4338	soil & fill dirt	45	17	0	28	0
Subtotal iron ore and scrap		43,019	282	35,197	7,534	4
4410	iron ore	40,016	0	35,151	4,863	0
4420	iron & steel scrap	3,002	281	45	2,670	4
Subtotal marine shells		97	0	-----	97	-----
4515	marine shells	97	0	-----	97	-----
Subtotal non-ferrous ores and scrap		5,317	60	-----	5,256	0
4630	copper ore	24	0	-----	24	-----
4650	aluminum ore	4,248	0	-----	4,248	0
4670	manganese ore	545	0	-----	545	0
4680	non-ferrous scrap	88	5	-----	82	-----
4690	non-ferrous ores nec	410	54	-----	356	-----
Subtotal sulphur, clay and salt		397	75	14	307	0
4741	sulphur, (dry)	1	1	-----	-----	-----
4782	clay & refrac. mat.	395	74	14	307	0

*Ton-miles not computed for 9.7 million tons of waterway improvement material.

Table 2-2: SUMMARY OF DOMESTIC WATERBORNE COMMERCE, TON-MILES
 BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1994 - continued
 (million ton-miles)

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
Subtotal slag	924	17	177	729	0
4860 slag	924	17	177	729	0
Subtotal other non-metal. min.	10,391	333	318	9,739	0
4900 non-metal. min. nec	10,391	333	318	9,739	0
Total primary manufactured goods	27,912	5,848	1,055	20,987	19
Subtotal paper products	1,278	1,154	-----	123	0
5110 newsprint	63	21	-----	42	-----
5120 paper & paperboard	335	297	-----	37	0
5190 paper products nec	879	835	-----	43	0
Subtotal lime, cement and glass	7,610	2,246	1,043	4,301	19
5210 lime	636	-----	-----	636	-----
5220 cement & concrete	6,153	1,463	1,043	3,627	19
5240 glass & glass prod.	100	92	-----	7	-----
5290 misc. mineral prod.	720	690	0	30	0
Subtotal primary iron and steel products	14,402	317	12	14,072	0
5312 pig iron	2,900	0	3	2,897	0
5315 ferro alloys	1,798	1	-----	1,796	0
5320 i&s primary forms	3,891	21	0	3,869	0
5330 i&s plates & sheets	3,160	33	-----	3,126	0
5360 i&s bars & shapes	931	153	1	776	0
5370 i&s pipe & tube	424	76	0	348	0
5390 primary i&s nec	1,295	30	7	1,257	0
Subtotal primary non-ferrous metal products	3,971	1,687	0	2,283	0
5421 copper	52	18	-----	33	-----
5422 aluminum	553	39	-----	513	-----
5429 smelted prod. nec	165	13	-----	152	-----
5480 fab. metal products	3,199	1,615	0	1,583	0
Subtotal primary wood products	649	443	-----	206	-----
5540 primary wood prod.	649	443	-----	206	-----
Total food and farm products	97,697	16,842	466	80,386	2
Subtotal fish	480	402	-----	77	0
6134 fish (not shellfish)	439	376	-----	63	0
6136 shellfish	40	25	-----	14	0
Subtotal grain	51,242	1,351	466	49,423	1
6241 wheat	8,885	355	466	8,063	0
6344 corn	38,311	567	-----	37,743	0
6442 rice	1,234	408	-----	825	0
6443 barley & rye	177	7	-----	169	-----
6445 oats	738	12	-----	726	0
6447 sorghum grains	1,894	-----	-----	1,894	0
Subtotal oilseeds	19,125	192	-----	18,932	0
6521 peanuts	1	1	-----	-----	-----
6522 soybeans	16,753	18	-----	16,734	0
6590 oilseeds nec	2,370	172	-----	2,198	-----
Subtotal vegetable products	2,154	994	-----	1,159	0
6653 vegetable oils	1,247	127	-----	1,119	0
6654 vegetables & prod.	906	867	-----	39	0

Table 2-2: SUMMARY OF DOMESTIC WATERBORNE COMMERCE, TON-MILES
BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 1994 - continued
(million ton-miles)

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
Subtotal processed grain and animal feed	11,178	1,212	0	9,966	0
6746 wheat flour	263	247	-----	16	-----
6747 grain mill products	540	194	0	345	-----
6781 hay & fodder	80	72	0	8	-----
6782 animal feed, prep.	10,293	697	-----	9,595	0
Subtotal other agricultural products	13,516	12,689	0	827	0
6811 meat, fresh, frozen	1,002	1,002	-----	-----	0
6817 meat, prepared	81	81	-----	-----	-----
6822 dairy products	200	200	-----	0	0
6835 fish, prepared	151	148	-----	2	0
6838 tallow, animal oils	23	19	-----	3	-----
6839 animals & prod. nec	944	938	-----	5	0
6856 bananas & plantains	49	49	-----	-----	-----
6857 fruit & nuts nec	296	296	0	0	-----
6858 fruit juices	692	692	-----	0	0
6861 sugar	3,861	3,612	-----	248	-----
6865 molasses	966	538	-----	427	0
6871 coffee	22	22	-----	0	0
6872 cocoa beans	8	8	-----	-----	-----
6885 alcoholic beverages	1,367	1,367	-----	0	-----
6887 groceries	1,642	1,641	0	0	0
6888 water & ice	105	31	-----	73	0
6889 food products nec	1,982	1,936	0	46	0
6891 tobacco & products	47	47	-----	-----	-----
6893 cotton	2	2	-----	-----	-----
6894 natural fibers nec	1	1	-----	-----	-----
6899 farm products nec	65	48	-----	17	-----
Total all manufactured equipment, machinery and products	12,735	12,016	0	718	0
7110 machinery (not elec)	789	567	0	222	0
7120 electrical machinery	401	400	0	0	-----
7210 vehicles & parts	1,325	1,323	0	1	0
7220 aircraft & parts	1	0	-----	0	0
7230 ships & boats	82	78	0	3	0
7300 ordnance & access.	26	25	-----	0	-----
7400 manufac. wood prod.	363	362	0	0	0
7500 textile products	308	236	-----	72	0
7600 rubber & plastic pr.	286	218	-----	67	0
7800 empty containers	12	-----	-----	12	-----
7900 manufac. prod. nec	9,138	8,801	0	337	0
Total waste and scrap nec	307	1	0	203	103
8900 waste and scrap nec	307	1	0	203	103
Total unknown or not elsewhere classified	263	263	0	0	0
9900 unknown or nec	263	263	0	0	0

Table 2-3: DOMESTIC BARGE TRAFFIC BY TYPE OF TRAFFIC AND COMMODITY

Comparative Statement of Traffic
(thousand tons)

Year	Total	Year	Total
1985	666,724	1990	776,146
1986	697,192	1991	750,244
1987	713,384	1992	765,382
1988	740,893	1993	753,287
1989	743,196	1994	782,014

Freight Traffic, 1994
(thousand tons)

Commodity	Total	Barge-Traffic					Domestic	
		Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
Total, all commodities	782,014	95,184	8,589	594,436	78,751	5,055	71.2	1,099,011
Total coal	205,963	9,724	507	182,103	13,628	-----	89.0	231,302
1100 coal lignite	200,677	9,724	495	177,140	13,317	-----	88.9	225,747
1200 coal coke	5,286	-----	12	4,963	311	-----	95.1	5,556
Total petroleum and petroleum products	250,010	50,927	1,565	151,238	41,295	4,986	59.4	420,753
Subtotal crude petroleum	40,541	1,701	-----	36,793	2,046	-----	28.1	144,064
2100 crude petroleum	40,541	1,701	-----	36,793	2,046	-----	28.1	144,064
Subtotal petroleum products	209,469	49,226	1,565	114,444	39,248	4,986	75.7	276,689
2211 gasoline	65,807	22,044	229	34,758	7,252	1,525	65.9	99,898
2221 kerosene	1,942	263	-----	1,065	615	-----	92.4	2,102
2330 distillate fuel oil	43,774	11,877	292	21,012	9,591	1,002	72.7	60,197
2340 residual fuel oil	65,970	10,962	174	33,605	18,829	2,399	83.5	78,980
2350 lube oil & greases	3,807	266	1	2,928	611	-----	66.7	5,704
2410 petro. jelly & waxes	116	42	-----	73	1	-----	94.6	123
2429 naphtha & solvents	5,390	392	-----	3,963	993	41	85.3	6,316
2430 asphalt, tar & pitch	12,396	2,514	865	8,600	418	-----	97.5	12,718
2540 petroleum coke	3,723	5	4	3,264	450	-----	99.0	3,760
2640 liquid natural gas	2,390	360	-----	2,010	20	-----	99.5	2,401
2990 petro. products nec	4,155	503	-----	3,166	468	18	92.5	4,490
Total chemicals and related products	66,353	6,250	126	50,217	9,751	9	84.5	78,533
Subtotal fertilizers	15,763	2,032	-----	13,365	366	-----	99.6	15,828
3110 nitrogenous fert.	6,833	455	-----	6,278	99	-----	99.9	6,837
3120 phosphatic fert.	1,729	194	-----	1,534	2	-----	100.0	1,730
3130 potassic fert.	1,752	75	-----	1,653	23	-----	99.7	1,757
3190 fert. & mixes nec	5,450	1,308	-----	3,899	242	-----	99.0	5,504
Subtotal other chemicals and related products	50,590	4,218	126	36,853	9,384	9	80.7	62,706
3211 acyclic hydrocarbons	1,940	5	-----	1,803	131	-----	98.1	1,978
3212 benzene & toluene	5,732	16	5	3,819	1,882	9	95.9	5,976
3219 other hydrocarbons	10,901	786	-----	8,017	2,097	-----	85.7	12,720
3220 alcohols	6,600	198	-----	5,143	1,259	-----	87.4	7,549
3230 carboxylic acids	1,536	4	-----	927	605	-----	85.1	1,806

Table 2-3: DOMESTIC BARGE TRAFFIC BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Barge-Traffic					Domestic	
		Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
3240 nitrogen func. comp.	1,436	1	-----	1,429	7	-----	99.4	1,445
3250 organo- inorgan. comp	0	0	-----	-----	-----	-----	2.2	1
3260 organic comp. nec	1,387	101	-----	1,245	41	-----	92.9	1,493
3271 sulphur (liquid)	2,875	761	-----	1,996	118	-----	34.0	8,456
3272 sulphuric acid	1,954	27	-----	1,398	529	-----	99.8	1,957
3273 ammonia	2,716	306	-----	2,391	19	-----	87.5	3,103
3274 sodium hydroxide	5,948	1,067	-----	4,464	417	-----	93.7	6,349
3275 inorg. elem., oxides, & halogen salts	1,667	11	-----	915	741	-----	98.7	1,689
3276 metallic salts	701	56	121	513	11	-----	95.1	737
3279 inorganic chem. nec	58	1	-----	58	-----	-----	94.9	62
3281 radioactive material	1	1	-----	-----	-----	-----	39.9	3
3282 pigments & paints	13	13	-----	0	-----	-----	22.6	57
3283 coloring mat. nec	2	2	-----	-----	-----	-----	20.3	10
3284 medicines	17	16	-----	1	-----	-----	9.6	175
3285 perfumes & cleansers	45	42	-----	3	-----	-----	18.6	241
3286 plastics	67	62	-----	5	-----	-----	33.9	196
3291 pesticides	11	5	-----	-----	6	-----	47.1	23
3292 starches, gluten, glue	7	3	-----	4	-----	-----	42.0	16
3293 explosives	2	2	-----	0	-----	-----	40.2	5
3297 chemical additives	3,794	503	-----	1,966	1,326	-----	71.8	5,287
3298 wood & resin chem.	230	40	-----	190	-----	-----	76.8	300
3299 chem. products nec	950	190	0	565	194	-----	88.7	1,071
Total crude materials, inedible except fuels*	133,393	15,821	5,978	102,623	8,936	35	60.4	220,932
Subtotal forest products, wood and chips	12,921	1,418	2	11,459	42	-----	63.6	20,304
4110 rubber & gums	5	2	-----	3	-----	-----	87.4	6
4150 fuel wood	169	22	0	147	0	-----	99.3	170
4161 wood chips	7,482	614	-----	6,863	5	-----	100.0	7,482
4170 wood in the rough	4,379	108	2	4,233	37	-----	38.1	11,495
4189 lumber	717	664	0	52	0	-----	80.9	886
4190 forest products nec	169	8	-----	161	-----	-----	63.6	265
Subtotal pulp and waste paper	430	50	-----	378	2	-----	97.6	441
4225 pulp & waste paper	430	50	-----	378	2	-----	97.6	441
Subtotal soil, sand, gravel, rock and stone*	92,613	13,663	2,969	67,468	8,479	35	79.0	117,168
4310 building stone	24	1	1	21	-----	-----	95.6	25
4322 limestone	22,407	104	2,854	19,383	66	-----	49.8	45,023
4323 gypsum	355	1	-----	354	-----	-----	26.6	1,334
4327 phosphate rock	6,360	6,286	-----	64	10	-----	100.0	6,360
4331 sand & gravel	63,072	7,266	113	47,307	8,351	35	98.5	64,026
4333 dredged material	341	0	-----	315	26	-----	100.0	342
4338 soil & fill dirt	54	5	0	23	27	-----	91.5	59

*Does not include 9.7 million tons of waterway improvement material.

Table 2-3: DOMESTIC BARGE TRAFFIC BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1994 - continued
 (thousand tons)

Commodity	Total	Barge-Traffic					Domestic	
		Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
Subtotal iron ore and scrap	12,339	226	2,512	9,249	351	-----	18.7	65,977
4410 iron ore	7,734	0	2,510	5,210	14	-----	12.6	61,280
4420 iron & steel scrap	4,605	226	2	4,040	337	-----	98.0	4,697
Subtotal marine shells	622	-----	-----	622	-----	-----	97.4	638
4515 marine shells	622	-----	-----	622	-----	-----	97.4	638
Subtotal non-ferrous ores and scrap	4,277	56	-----	4,216	5	-----	99.9	4,280
4630 copper ore	26	-----	-----	26	-----	-----	99.7	26
4650 aluminum ore	3,304	0	-----	3,302	2	-----	100.0	3,304
4670 manganese ore	463	0	-----	459	4	-----	100.0	463
4680 non-ferrous scrap	100	3	-----	97	-----	-----	97.7	103
4690 non-ferrous ores nec	385	52	-----	332	-----	-----	99.8	385
Subtotal sulphur, clay and salt	691	142	-----	541	9	-----	64.2	1,077
4741 sulphur, (dry)	2	2	-----	-----	-----	-----	100.0	2
4782 clay & refrac. mat.	690	141	-----	541	9	-----	64.2	1,075
Subtotal slag	948	14	85	819	30	-----	69.6	1,363
4860 slag	948	14	85	819	30	-----	69.6	1,363
Subtotal other non-metal. min.	8,550	252	410	7,871	18	-----	88.3	9,683
4900 non-metal. min. nec	8,550	252	410	7,871	18	-----	88.3	9,683
Total primary manufactured goods	31,238	5,404	411	24,696	725	-----	87.4	35,758
Subtotal paper products	1,086	180	-----	905	1	-----	73.5	1,477
5110 newsprint	74	5	-----	69	-----	-----	90.8	81
5120 paper & paperboard	760	10	-----	748	1	-----	82.3	923
5190 paper products nec	253	165	-----	88	-----	-----	53.5	473
Subtotal lime, cement and glass	12,291	2,673	0	8,963	655	-----	77.8	15,809
5210 lime	1,923	-----	-----	1,923	-----	-----	100.0	1,923
5220 cement & concrete	10,089	2,552	0	6,887	650	-----	75.6	13,340
5240 glass & glass prod.	31	19	-----	12	-----	-----	44.0	69
5290 misc. mineral prod.	250	103	-----	142	5	-----	52.3	477
Subtotal primary iron and steel products	12,930	128	411	12,343	47	-----	98.9	13,071
5312 pig iron	2,633	-----	9	2,621	3	-----	100.0	2,633
5315 ferro alloys	1,295	-----	-----	1,293	2	-----	99.9	1,296
5320 i&s primary forms	3,140	45	15	3,077	3	-----	99.9	3,142
5330 i&s plates & sheets	3,105	1	-----	3,081	23	-----	99.7	3,115
5360 i&s bars & shapes	817	26	115	672	5	-----	96.9	843
5370 i&s pipe & tube	488	36	0	450	1	-----	83.1	587
5390 primary i&s nec	1,452	19	273	1,150	9	-----	99.8	1,455
Subtotal primary non-ferrous metal products	4,582	2,309	0	2,251	22	-----	92.0	4,979
5421 copper	40	3	-----	37	-----	-----	79.7	50
5422 aluminum	486	7	-----	479	-----	-----	96.4	504
5429 smelted prod. nec	121	1	-----	120	-----	-----	92.1	132
5480 fab. metal products	3,935	2,298	0	1,615	22	-----	91.6	4,293

Table 2-3: DOMESTIC BARGE TRAFFIC BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1994 - continued
 (thousand tons)

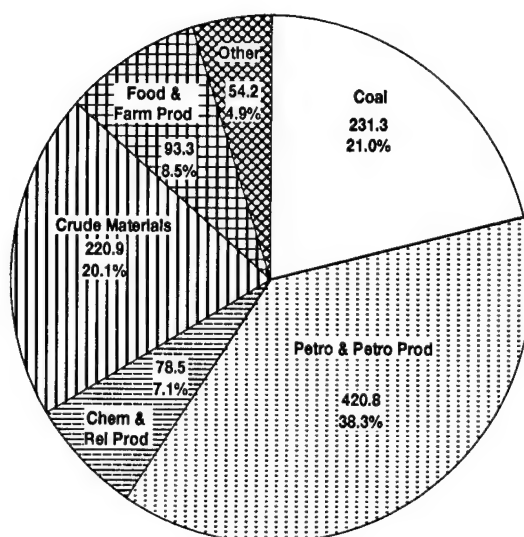
Commodity	Total	Barge-Traffic					Domestic	
		Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
Subtotal primary wood products	348	114	-----	234	-----	-----	82.5	422
5540 primary wood prod.	348	114	-----	234	-----	-----	82.5	422
Total food and farm products	84,056	3,634	0	80,001	403	18	90.1	93,298
Subtotal fish	74	63	-----	11	-----	-----	7.4	993
6134 fish (not shellfish)	73	62	-----	11	-----	-----	10.5	698
6136 shellfish	1	1	-----	0	-----	-----	0.3	295
Subtotal grain	49,391	484	-----	48,815	91	2	98.6	50,087
6241 wheat	12,620	210	-----	12,358	52	-----	96.2	13,120
6344 corn	31,939	239	-----	31,677	21	2	99.9	31,982
6442 rice	1,472	21	-----	1,449	2	-----	90.6	1,624
6443 barley & rye	297	4	-----	293	-----	-----	99.7	298
6445 oats	728	10	-----	705	13	-----	99.9	728
6447 sorghum grains	2,335	-----	-----	2,332	3	-----	100.0	2,335
Subtotal oilseeds	19,453	64	-----	19,340	48	-----	99.8	19,486
6521 peanuts	0	0	-----	-----	-----	-----	40.0	1
6522 soybeans	17,049	6	-----	16,995	48	-----	100.0	17,053
6590 oilseeds nec	2,404	58	-----	2,346	-----	-----	98.8	2,433
Subtotal vegetable products	1,575	137	-----	1,419	19	-----	81.4	1,935
6653 vegetable oils	1,430	57	-----	1,354	19	-----	99.3	1,440
6654 vegetables & prod.	145	80	-----	65	0	-----	29.4	495
Subtotal processed grain and animal feed	9,652	251	0	9,302	99	-----	96.9	9,962
6746 wheat flour	38	10	-----	28	-----	-----	34.5	109
6747 grain mill products	389	80	-----	309	-----	-----	92.9	419
6781 hay & fodder	46	8	0	38	-----	-----	69.4	66
6782 animal feed, prep.	9,180	153	-----	8,927	99	-----	98.0	9,369
Subtotal other agricultural products	3,911	2,636	-----	1,114	145	16	36.1	10,835
6811 meat, fresh, frozen	42	42	-----	-----	-----	-----	8.2	513
6817 meat, prepared	5	5	-----	-----	-----	-----	10.7	48
6822 dairy products	22	22	-----	-----	-----	-----	24.4	90
6835 fish, prepared	7	4	-----	3	-----	-----	7.6	96
6838 tallow, animal oils	13	10	-----	3	-----	-----	95.0	14
6839 animals & prod. nec	60	41	-----	19	-----	-----	10.6	564
6856 bananas & plantains	0	0	-----	-----	-----	-----	0.8	19
6857 fruit & nuts nec	5	5	-----	1	-----	-----	4.0	133
6858 fruit juices	114	113	-----	1	-----	-----	31.4	363
6861 sugar	1,619	1,160	-----	459	-----	-----	69.9	2,317
6865 molasses	647	75	-----	483	72	16	79.6	812
6871 coffee	3	1	-----	0	2	-----	23.7	14
6885 alcoholic beverages	198	198	-----	-----	-----	-----	29.2	680
6887 groceries	368	365	-----	2	0	-----	39.3	936
6888 water & ice	121	3	-----	47	71	-----	4.1	2,930
6889 food products nec	654	571	-----	83	0	-----	53.8	1,214
6891 tobacco & products	10	10	-----	-----	-----	-----	32.6	31
6893 cotton	0	0	-----	-----	-----	-----	9.0	1

Table 2-3: DOMESTIC BARGE TRAFFIC BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1994 - continued
 (thousand tons)

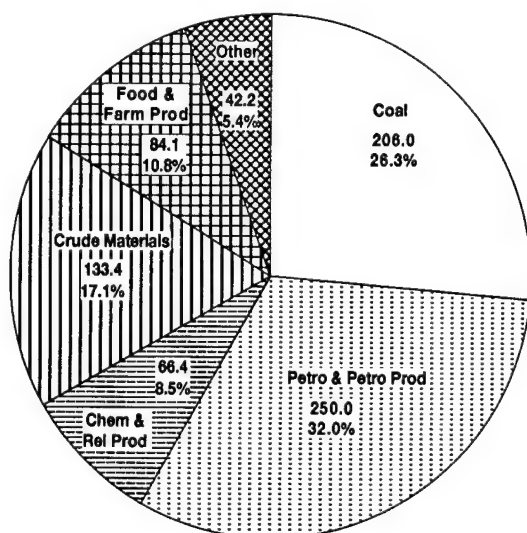
Commodity	Total	Barge-Traffic					Domestic	
		Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
6894 natural fibers nec	0	0	-----	-----	-----	-----	15.0	1
6899 farm products nec	21	8	-----	13	-----	-----	56.2	38
Total all manufactured equipment, machinery and products	5,410	3,394	2	1,974	32	8	43.0	12,577
7110 machinery (not elec)	510	102	2	375	31	0	14.8	3,447
7120 electrical machinery	95	94	0	1	-----	0	39.8	239
7210 vehicles & parts	765	752	0	6	0	7	65.8	1,164
7220 aircraft & parts	0	0	-----	0	-----	-----	31.6	1
7230 ships & boats	24	17	0	6	-----	-----	34.9	69
7300 ordnance & access.	4	3	-----	1	-----	-----	40.0	9
7400 manufac. wood prod.	162	159	-----	3	0	-----	64.9	249
7500 textile products	85	26	-----	59	-----	-----	39.9	213
7600 rubber & plastic pr.	159	53	-----	107	-----	-----	63.4	251
7800 empty containers	56	-----	-----	56	-----	-----	99.1	56
7900 manufac. prod. nec	3,549	2,189	0	1,360	0	-----	51.6	6,877
Total waste and scrap nec	5,566	2	0	1,583	3,980	-----	99.9	5,571
8900 waste and scrap nec	5,566	2	0	1,583	3,980	-----	99.9	5,571
Total unknown or not elsewhere classified	26	26	-----	-----	-----	-----	9.1	287
9900 unknown or nec	26	26	-----	-----	-----	-----	9.1	287

Figure 2-1
DOMESTIC COMMERCE, 1994
COMPARED BY MAJOR COMMODITY GROUPS
BARGE AND SELF-PROPELLED TRAFFIC
(million tons and percentage of tons)

Domestic Traffic



Barge Traffic



Self-Propelled Traffic

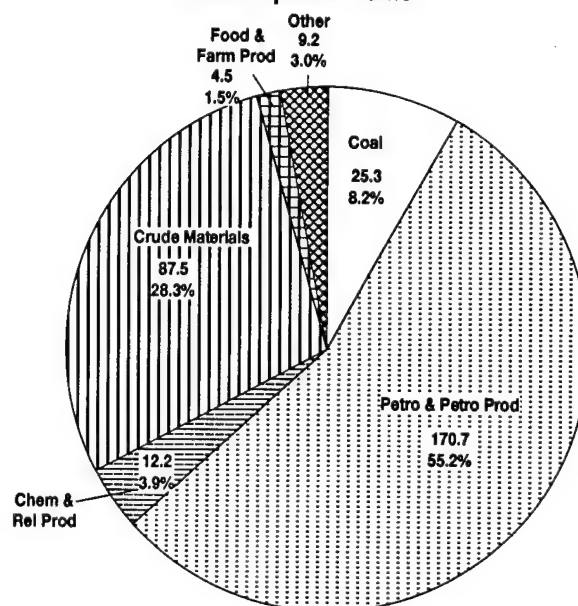
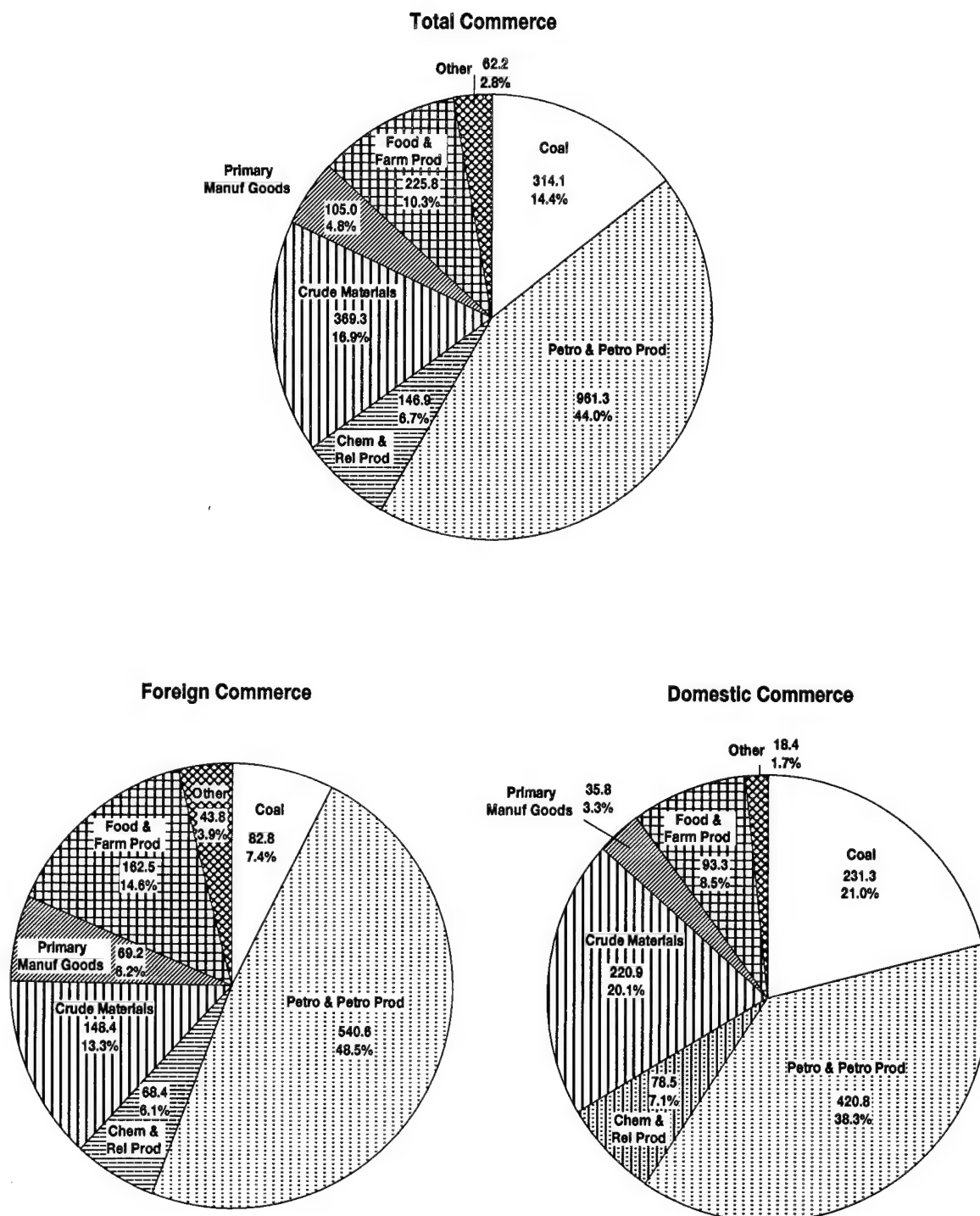


Table 2-4: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1993-1994
(million tons)

	1993	1994	%Change
Total Commerce	2,128.2	2,214.8	4.1
Coal	300.4	314.1	4.6
Petro & Petro Prod	930.6	961.3	3.3
Chem & Rel Prod	131.6	146.9	11.7
Crude Materials	360.6	369.3	2.4
Primary Manuf Goods	76.8	105.0	36.7
Food and Farm Prod	269.3	225.8	-16.1
All Manuf Equip	51.1	54.9	7.5
Other	7.8	7.3	-7.7
Foreign Commerce	1,060.0	1,115.7	5.3
Coal	85.7	82.8	-3.4
Petro & Petro Prod	513.7	540.6	5.2
Chem & Rel Prod	58.7	68.4	16.5
Crude Materials	142.0	148.4	4.5
Primary Manuf Goods	48.4	69.2	43.2
Food and Farm Prod	171.0	162.5	-4.9
All Manuf Equip	39.4	42.3	7.3
Other	1.0	1.4	37.0
Domestic Commerce	1,068.2	1,099.0	2.9
Coal	214.7	231.3	7.8
Petro & Petro Prod	416.9	420.8	0.9
Chem & Rel Prod	72.8	78.5	7.8
Crude Materials	218.6	220.9	1.1
Primary Manuf Goods	28.5	35.8	25.7
Food and Farm Prod	98.3	93.3	-5.1
All Manuf Equip	11.6	12.6	8.0
Other	6.8	5.9	-14.4

Figure 2-2
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1994
 (million tons and percentage of tons)



Section 3

Waterways

Figure 3-1
MISSISSIPPI RIVER SYSTEM, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

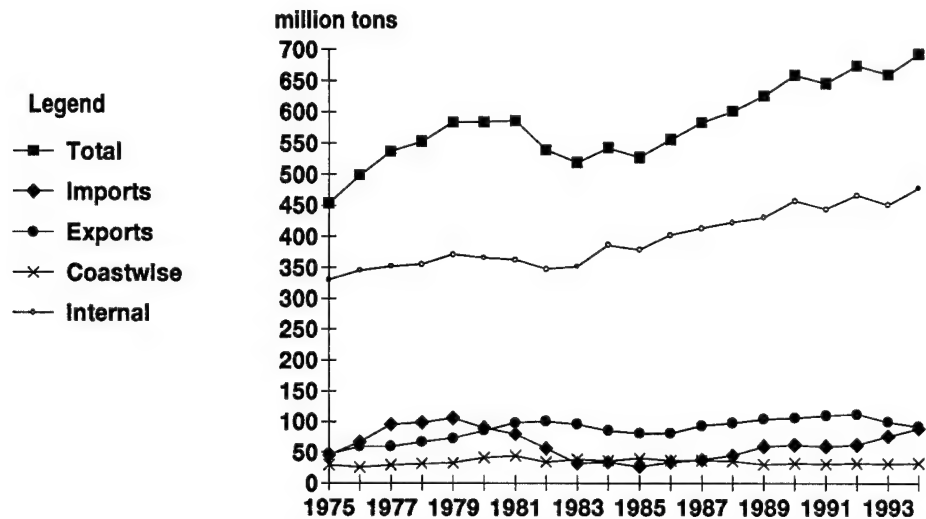


Table 3-1: MISSISSIPPI RIVER SYSTEM, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	453.4	498.4	536.8	552.9	582.9	584.2	586.0	539.6	519.1	543.2
Imports	45.9	67.0	96.0	98.6	105.9	90.8	80.1	56.7	32.3	34.1
Exports	47.6	59.9	59.6	67.3	73.3	86.3	98.3	100.8	95.8	85.9
Coastwise	29.8	26.0	29.6	31.7	33.1	41.6	44.7	34.7	39.1	36.7
Internal	330.1	345.5	351.5	355.4	370.8	365.6	362.9	347.5	352.0	386.6

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	527.8	556.4	583.4	601.6	626.4	659.6	645.9	674.4	660.4	693.3
Imports	27.0	35.1	38.1	45.3	59.9	63.0	60.1	63.0	76.9	89.6
Exports	81.0	81.1	93.7	97.5	104.0	106.5	110.0	112.2	100.0	92.7
Coastwise	40.9	37.4	37.4	35.8	31.1	32.6	31.3	32.4	31.8	32.4
Internal	378.9	402.8	414.2	423.0	431.5	457.5	444.5	466.8	451.7	478.7

Figure 3-2
MISSISSIPPI RIVER SYSTEM, 1975-1994
ALL TRAFFIC BY COMMODITY GROUP
(million tons)

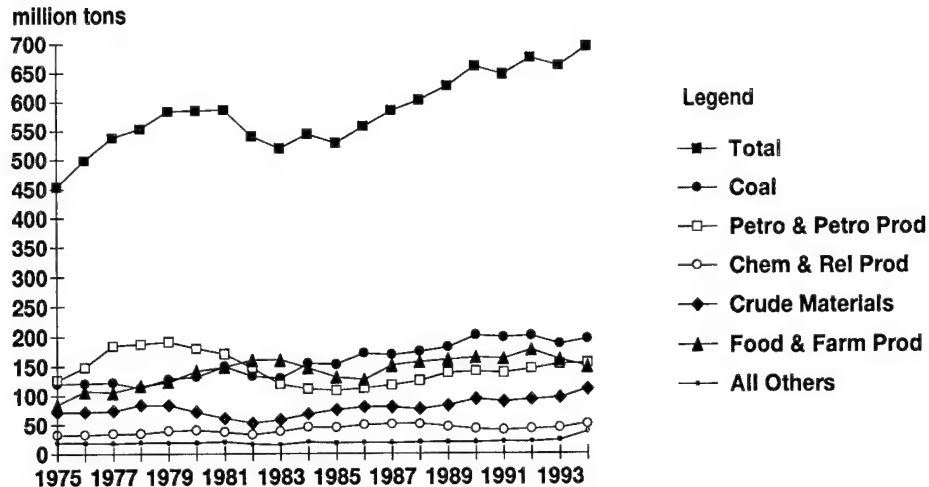


Table 3-2: MISSISSIPPI RIVER SYSTEM, 1975-1994
ALL TRAFFIC BY COMMODITY GROUP
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	453.4	498.4	537.8	552.9	582.9	584.2	586.0	539.6	519.1	543.5
Coal	120.0	120.6	122.2	112.4	127.9	131.8	149.6	133.1	129.0	153.0
Petro & Petro Prod	126.6	147.8	184.1	186.8	191.0	179.6	169.8	146.4	118.7	110.5
Chem & Rel Prod	32.5	33.0	34.5	34.4	39.1	40.3	37.3	32.7	37.8	45.7
Crude Materials	71.2	71.6	73.9	83.6	83.4	72.0	61.0	52.4	58.3	68.2
Primary Manuf Goods	13.8	14.6	16.0	16.9	17.4	15.8	17.2	13.4	14.2	18.6
Food & Farm Prod	83.8	106.8	105.1	116.5	122.5	141.6	147.9	159.4	159.8	146.5
All Manuf Equip	1.5	1.7	1.1	1.1	1.1	1.1	1.2	0.8	0.7	0.6
Other	4.0	2.2	0.9	1.2	0.5	2.0	2.1	1.5	0.7	0.4

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	527.8	556.4	583.4	601.6	626.4	659.6	645.9	674.4	660.4	693.3
Coal	152.0	171.1	167.9	173.8	180.3	200.8	197.5	199.7	186.1	194.2
Petro & Petro Prod	107.6	112.1	116.9	124.4	138.2	141.0	137.9	144.7	153.0	153.6
Chem & Rel Prod	44.4	48.6	50.6	50.8	45.8	41.8	40.0	42.0	43.5	50.3
Crude Materials	75.6	80.0	79.5	76.6	82.6	92.9	88.4	92.3	95.4	109.7
Primary Manuf Goods	16.5	17.5	17.1	18.3	18.1	18.4	19.4	19.0	21.6	36.5
Food & Farm Prod	130.6	125.8	150.4	156.4	160.1	163.4	161.9	175.7	159.6	147.7
All Manuf Equip	0.7	0.8	0.6	0.8	1.1	1.0	0.8	0.9	1.1	1.1
Other	0.4	0.3	0.4	0.4	0.4	0.1	0.1	0.2	0.2	0.2

Figure 3-3
MISSISSIPPI RIVER SYSTEM, 1975-1994
INTERNAL TRAFFIC BY COMMODITY
GROUP
(million tons)

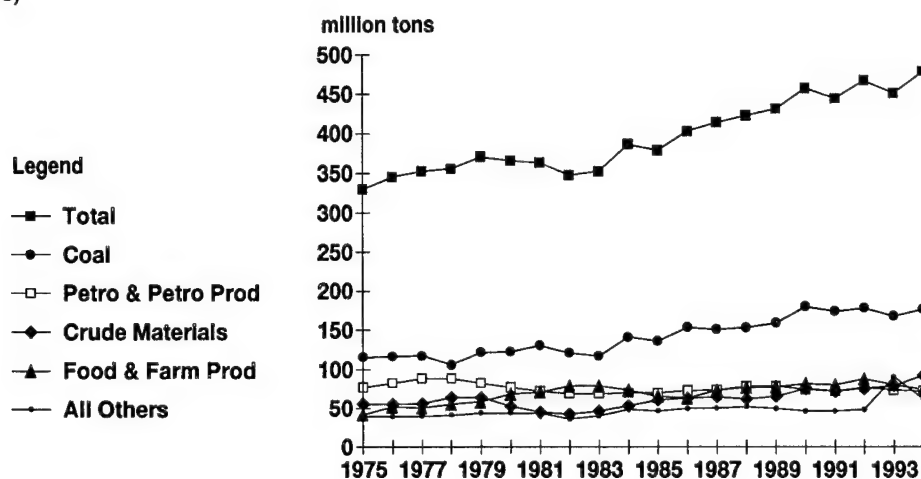


Table 3-3: MISSISSIPPI RIVER SYSTEM, 1975-1994
INTERNAL TRAFFIC BY COMMODITY GROUP
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	330.1	345.5	352.5	355.4	370.8	365.6	362.9	347.5	352.0	386.6
Coal	115.7	116.4	117.6	106.0	121.4	123.0	130.6	121.2	117.0	141.3
Petro & Petro Prod	76.9	82.5	88.4	88.4	82.8	77.3	72.3	69.1	69.1	70.0
Chem & Rel Prod	25.2	25.6	27.2	27.6	30.5	30.3	28.6	24.4	28.5	34.3
Crude Materials	55.6	55.1	56.1	64.2	64.2	52.6	44.9	42.3	46.7	52.9
Primary Manuf Goods	10.1	10.5	11.3	11.8	12.7	11.3	12.6	9.8	10.8	13.7
Food & Farm Prod	42.0	52.1	50.4	55.6	58.3	68.6	71.2	78.9	78.9	73.7
All Manuf Equip	0.7	0.9	0.6	0.5	0.5	0.5	0.6	0.4	0.3	0.4
Other	3.9	2.2	0.8	1.2	0.4	2.0	2.1	1.4	0.6	0.3

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	378.9	402.8	414.2	423.0	431.5	457.5	444.5	466.8	451.7	478.7
Coal	135.8	153.6	151.1	153.3	159.4	180.1	174.3	178.4	167.8	176.7
Petro & Petro Prod	70.1	72.7	73.8	78.2	79.0	74.1	72.0	76.7	73.7	72.6
Chem & Rel Prod	33.4	35.7	36.7	37.7	34.6	31.1	30.7	33.2	34.4	38.7
Crude Materials	60.7	63.7	65.0	62.3	65.7	75.2	71.9	75.5	79.1	92.4
Primary Manuf Goods	12.4	13.0	13.1	13.6	13.9	14.3	14.8	14.5	15.5	22.9
Food & Farm Prod	65.9	63.2	73.9	77.1	77.9	82.0	80.3	87.7	80.4	74.5
All Manuf Equip	0.3	0.5	0.3	0.5	0.7	0.6	0.5	0.5	0.7	0.7
Other	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.1	0.2

*Table 3-4: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1993-1994
FOR THE MISSISSIPPI RIVER SYSTEM
(million tons)*

	1993	1994	%Change
Foreign Commerce	176.9	182.2	3.0
Coal	10.8	10.7	-0.9
Petro & Petro Prod	64.1	66.5	3.7
Chem & Rel Prod	5.7	7.2	26.3
Crude Materials	11.7	11.7	0.0
Primary Manuf Goods	6.1	13.5	121.3
Food & Farm Prod	78.2	72.2	-7.7
Other	0.4	0.4	0.0
Coastwise Traffic	31.8	32.4	1.9
Coal	7.5	6.8	-9.3
Petro & Petro Prod	15.1	14.5	-4.0
Chem & Rel Prod	3.4	4.5	32.4
Crude Materials	4.7	5.6	19.1
Primary Manuf Goods	0.0	0.0	-
Food & Farm Prod	1.1	1.0	-9.1
Other	0.0	0.0	-
Internal Traffic	451.7	478.7	6.0
Coal	167.8	176.7	5.3
Petro & Petro Prod	73.7	72.6	-1.5
Chem & Rel Prod	34.4	38.7	12.5
Crude Materials	79.1	92.4	16.8
Primary Manuf Goods	15.5	22.9	47.7
Food & Farm Prod	80.4	74.5	-7.3
Other	0.9	0.9	0.0

Figure 3-4
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1994
 FOR THE MISSISSIPPI RIVER SYSTEM
 (million tons and percentage of tons)

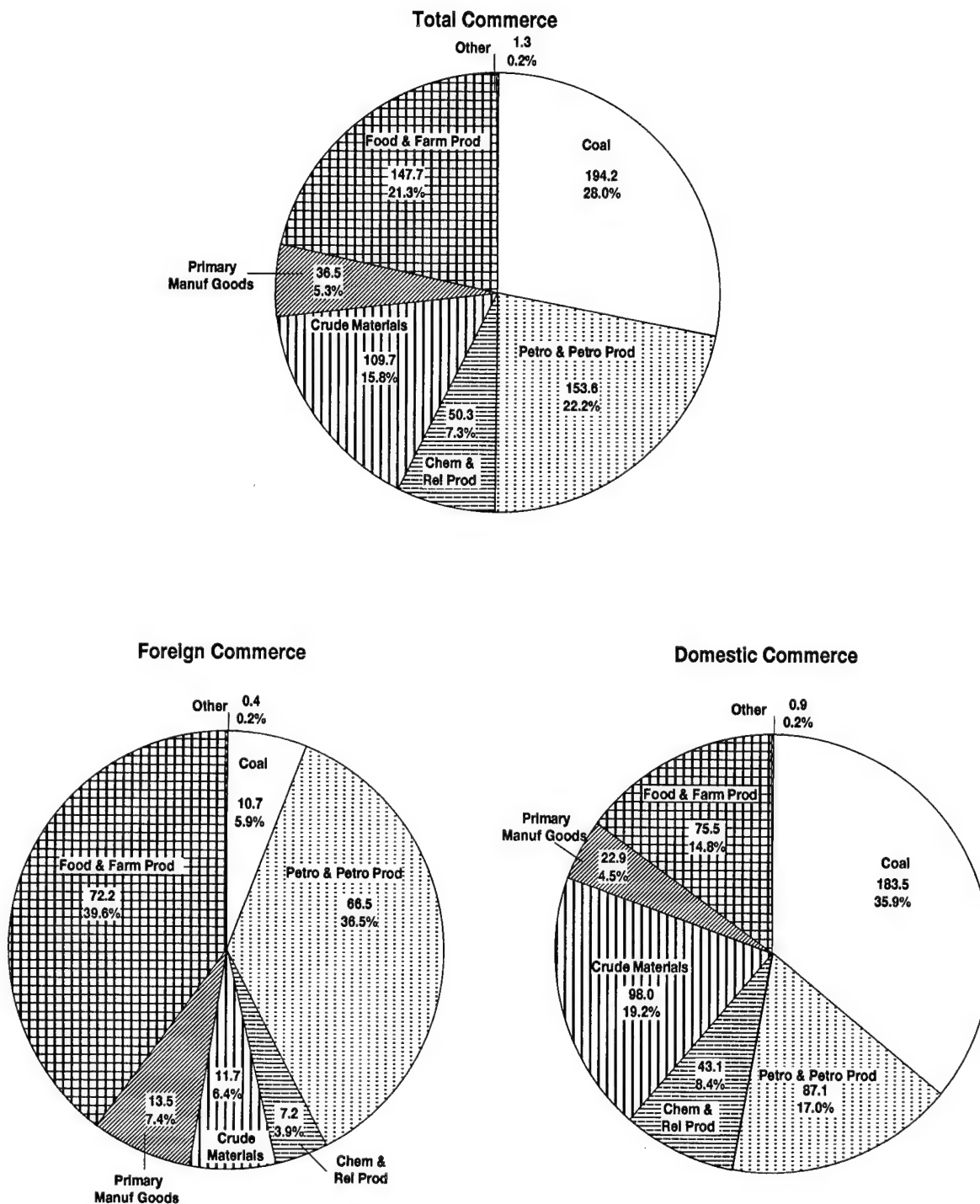


Figure 3-5
MISSISSIPPI RIVER MAIN STEM, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

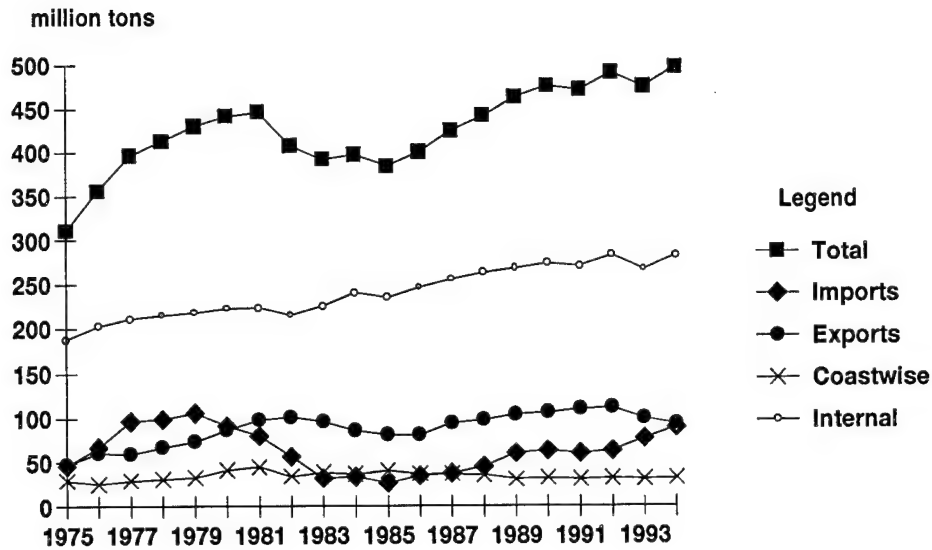


Table 3-5: MISSISSIPPI RIVER MAIN STEM, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	311.2	356.2	396.8	413.1	430.2	441.5	446.4	407.6	392.1	397.1
Imports	45.9	67.0	96.0	98.6	105.9	90.8	80.1	56.7	32.3	34.1
Exports	47.6	59.9	59.6	67.3	73.3	86.3	98.3	100.8	95.8	85.9
Coastwise	29.8	26.0	29.6	31.7	33.1	41.6	44.7	34.7	39.1	36.7
Internal	187.9	203.3	211.5	215.5	218.0	222.9	223.3	215.4	225.0	240.4

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	384.0	399.9	425.0	441.5	462.7	475.6	471.6	490.7	475.1	496.8
Imports	27.0	35.1	38.1	45.3	59.9	63.0	60.1	63.0	76.9	89.6
Exports	81.0	81.1	93.7	97.5	104.0	106.5	110.0	112.2	100.0	92.7
Coastwise	40.9	37.4	37.4	35.8	31.1	32.6	31.3	32.4	31.8	32.4
Internal	235.0	246.3	255.8	262.9	267.8	273.6	270.2	283.0	266.5	282.2

Figure 3-6
MISSISSIPPI RIVER MAIN STEM, 1975-1994
BY COMMODITY GROUP
(million tons)

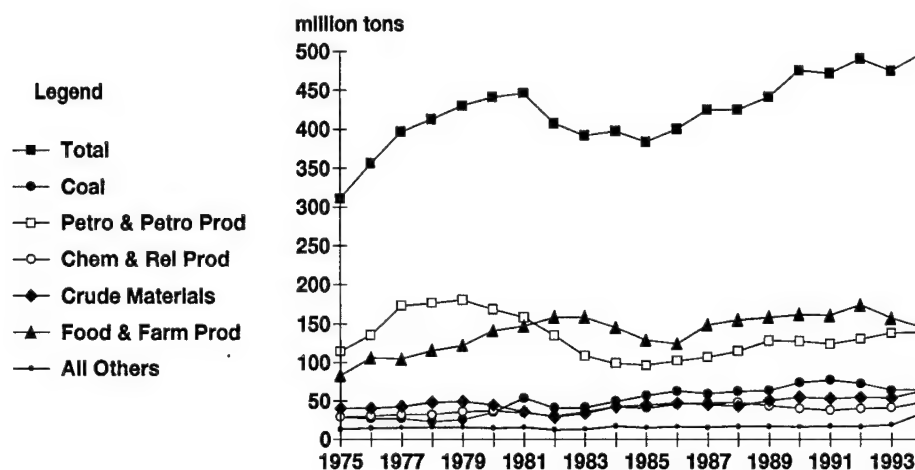


Table 3-6: MISSISSIPPI RIVER MAIN STEM 1975-1994
BY COMMODITY GROUP
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	311.2	356.2	396.8	413.1	430.2	441.5	446.4	407.6	392.1	397.3
Coal	29.3	27.6	27.6	23.0	26.1	35.2	53.9	41.1	41.2	49.7
Petro & Petro Prod	114.9	135.8	173.5	176.9	180.5	168.3	158.2	135.4	108.8	99.2
Chem & Rel Prod	29.4	30.8	32.6	32.5	36.1	37.3	34.8	30.9	36.0	43.0
Crude Materials	40.8	40.9	42.8	48.6	49.3	44.7	36.4	29.2	34.2	42.7
Primary Manuf Goods	12.0	12.9	14.1	14.7	14.8	13.5	14.4	11.5	12.1	16.3
Food & Farm Prod	83.4	106.5	104.8	116.1	122.2	141.2	147.3	158.6	158.8	145.6
All Manuf Equip	1.3	1.5	1.0	1.0	1.0	1.0	1.1	0.7	0.6	0.6
Other	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.4

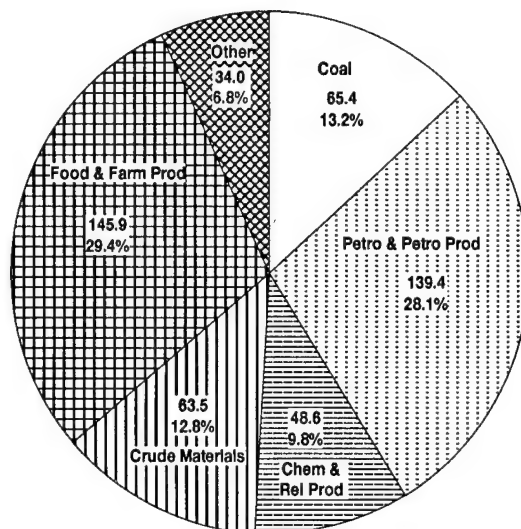
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	384.0	399.9	425.0	441.5	462.7	475.6	471.6	490.7	475.1	496.8
Coal	56.8	62.9	59.3	62.3	63.7	73.7	77.2	73.1	64.1	65.4
Petro & Petro Prod	96.7	102.6	107.3	115.3	128.8	127.9	124.4	130.9	138.4	139.4
Chem & Rel Prod	41.1	46.2	47.9	48.3	44.0	40.3	38.4	40.4	41.6	48.6
Crude Materials	44.9	47.4	45.7	43.7	50.4	55.2	53.6	55.0	54.3	63.5
Primary Manuf Goods	14.3	15.3	14.8	15.8	15.4	15.3	16.4	15.8	18.3	32.9
Food & Farm Prod	129.1	124.4	149.0	155.1	158.8	162.1	160.6	174.4	157.4	145.9
All Manuf Equip	0.7	0.8	0.6	0.8	1.1	1.0	0.8	0.8	1.0	0.9
Other	0.4	0.3	0.4	0.4	0.4	0.1	0.1	0.2	0.2	0.2

*Table 3-7: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1993-1994
FOR THE MISSISSIPPI RIVER MAIN STEM
(million tons)*

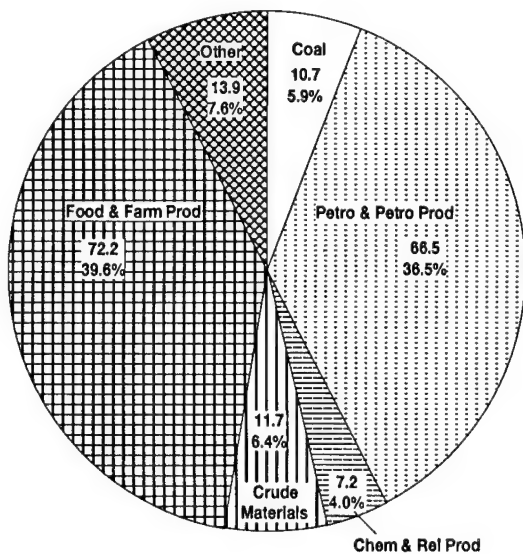
	1993	1994	%Change
Total Commerce	475.1	496.8	4.6
Coal	64.1	65.4	2.0
Petro & Petro Prod	138.4	139.4	0.7
Chem & Rel Prod	41.6	48.6	16.9
Crude Materials	54.3	63.5	17.0
Primary Manuf Goods	18.3	32.9	80.2
Food & Farm Prod	157.4	145.9	-7.3
Other	1.2	1.1	-3.8
Foreign Commerce	176.9	182.2	3.1
Coal	10.8	10.7	-0.3
Petro & Petro Prod	64.1	66.5	3.8
Chem & Rel Prod	5.7	7.2	26.1
Crude Materials	11.7	11.7	0.5
Primary Manuf Goods	6.1	13.5	123.2
Food & Farm Prod	78.2	72.2	-7.7
Other	0.4	0.4	-11.3
Domestic Commerce	298.3	314.6	5.5
Coal	53.3	54.6	2.4
Petro & Petro Prod	74.3	72.9	-1.9
Chem & Rel Prod	35.9	41.4	15.4
Crude Materials	42.6	51.8	21.6
Primary Manuf Goods	12.2	19.4	58.8
Food & Farm Prod	79.2	73.7	-6.9
Other	0.8	0.8	0.3

Figure 3-7
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1994
 FOR THE MISSISSIPPI RIVER MAIN STEM
 (million tons and percentage of tons)

Total Commerce



Foreign Commerce



Domestic Commerce

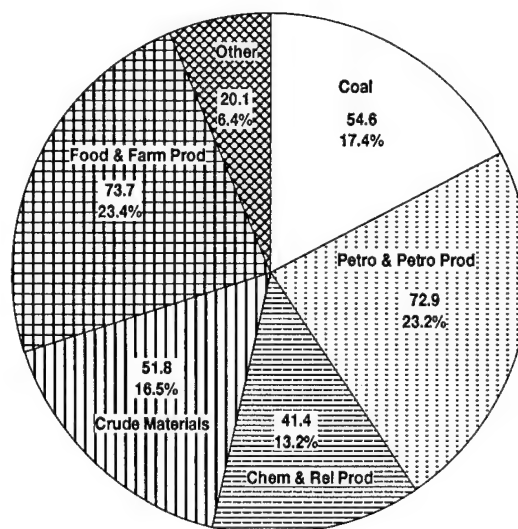


Figure 3-8
OHIO RIVER SYSTEM, 1975-1994
BY COMMODITY GROUP
(million tons)

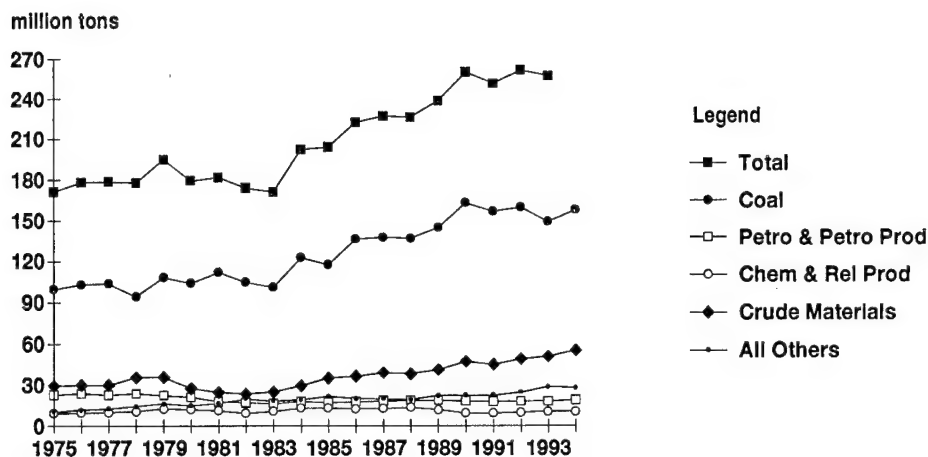


Table 3-8: OHIO RIVER SYSTEM, 1975-1994
BY COMMODITY GROUP
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	171.4	178.1	178.6	177.6	194.8	179.3	181.9	174.0	171.2	202.2
Coal	99.3	103.0	103.3	94.0	108.0	103.8	111.6	104.6	100.7	122.5
Petro & Petro Prod	22.7	23.6	22.7	23.6	22.4	21.1	17.9	17.1	16.5	17.9
Chem & Rel Prod	9.5	9.6	9.9	10.5	12.5	11.9	11.1	9.3	10.9	13.2
Crude Materials	29.5	30.1	30.0	35.3	35.7	27.5	24.7	23.4	24.8	29.4
Primary Manuf Goods	4.9	4.9	5.3	5.9	6.8	5.4	6.1	4.7	5.3	6.6
Food & Farm Prod	5.2	6.6	7.2	8.1	9.3	9.4	10.3	14.8	13.0	12.5
Other	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	203.9	222.2	226.7	225.9	238.4	260.0	251.4	261.2	257.2	270.5
Coal	117.3	135.9	137.3	136.7	144.6	163.0	156.8	159.8	149.0	157.9
Petro & Petro Prod	17.1	17.6	18.2	18.6	18.8	18.3	17.8	18.0	18.1	18.9
Chem & Rel Prod	12.9	12.4	12.6	13.3	11.7	9.1	9.4	10.0	10.4	10.6
Crude Materials	34.9	36.4	39.0	38.1	41.0	47.0	44.9	48.9	51.0	55.3
Primary Manuf Goods	6.2	6.1	6.1	6.5	7.0	7.2	7.4	7.5	8.6	11.2
Food & Farm Prod	15.4	13.8	13.5	12.5	15.2	15.3	15.0	16.9	20.0	16.6
Other	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Figure 3-9
PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1994
FOR THE OHIO RIVER SYSTEM
(million tons and percentage of tons)

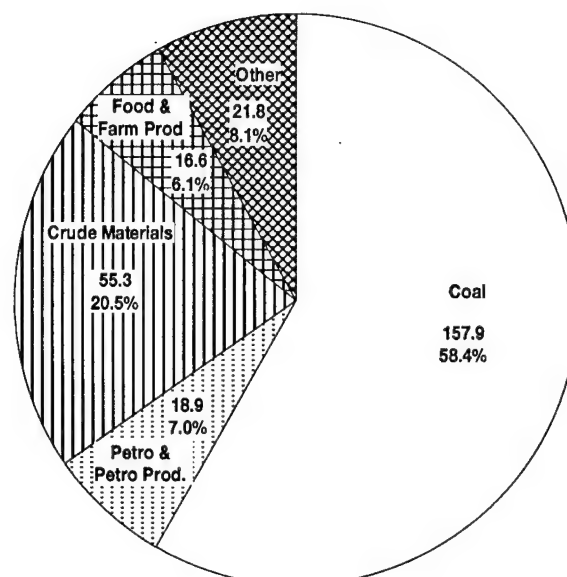


Table 3-9: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1993-1994
FOR THE OHIO RIVER SYSTEM
(million tons)

	1993	1994	%Change
Total Commerce	257.2	270.5	5.2
Coal	149.0	147.9	6.0
Petroleum & Petroleum Products	18.1	18.9	4.2
Chemicals & Related Products	10.4	10.6	1.1
Crude Materials	51.0	55.3	8.6
Primary Manufactured Goods	8.6	11.2	30.2
Food & Farm Products	20.0	16.6	-17.1
Other	0.1	0.1	22.3

Figure 3-10
GREAT LAKES, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

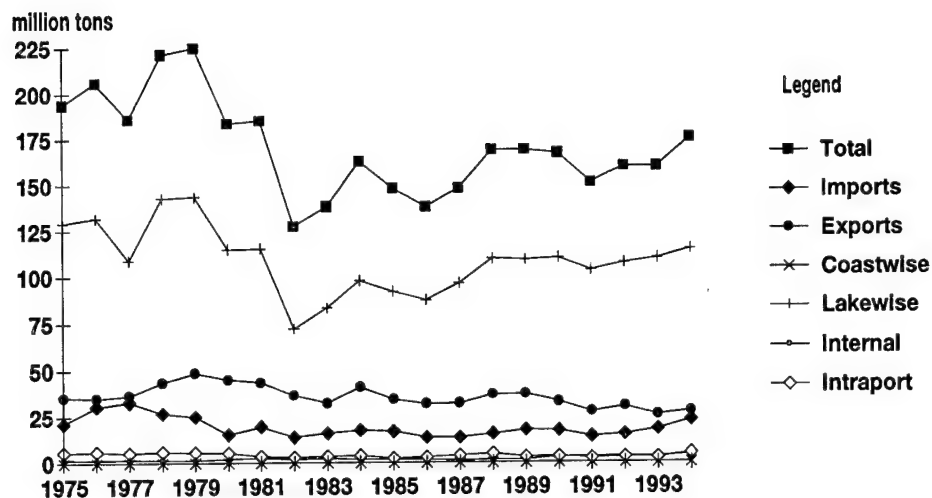


Table 3-10: GREAT LAKES, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	193.8	205.8	185.9	221.4	225.0	183.5	185.1	127.4	138.2	162.8
Imports	21.5	30.6	32.8	27.1	25.1	15.5	19.7	14.1	16.1	17.8
Exports	35.3	35.0	36.3	43.6	48.7	45.1	43.5	36.3	32.3	40.9
Coastwise	0.1	0.1	0.1	0.1	0.1	0.1	0.0	-	-	0.0
Lakewise	129.4	132.1	109.1	142.7	143.6	115.1	115.4	72.1	83.5	98.0
Internal	1.9	1.7	1.8	1.7	1.6	2.3	2.8	1.9	2.5	1.8
Intraport	5.8	6.3	5.8	6.3	5.9	5.4	3.7	3.0	3.8	4.2

	1985	1986	1987	1988	1989	1990	1991	1992*	1993*	1994
Total	148.1	137.9	148.1	168.8	168.9	167.1	151.2	160.0	159.6	175.3
Imports	17.1	13.8	13.9	15.9	17.8	17.6	14.3	15.4	18.1	23.1
Exports	34.2	32.0	32.1	36.6	37.1	32.9	27.5	30.4	25.8	27.8
Coastwise	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0	0.0
Lakewise	92.0	87.4	96.5	109.7	109.1	110.2	103.4	107.4	109.9	114.8
Internal	2.2	1.7	1.4	1.6	1.7	3.1	3.2	3.4	3.1	4.6
Intraport	2.7	3.0	4.3	5.0	3.3	3.4	2.7	3.3	2.8	5.0

*These figures changed due to the addition of Great Lakes Thru Traffic.

Figure 3-11
GREAT LAKES, 1975-1994
BY COMMODITY GROUP
(million tons)

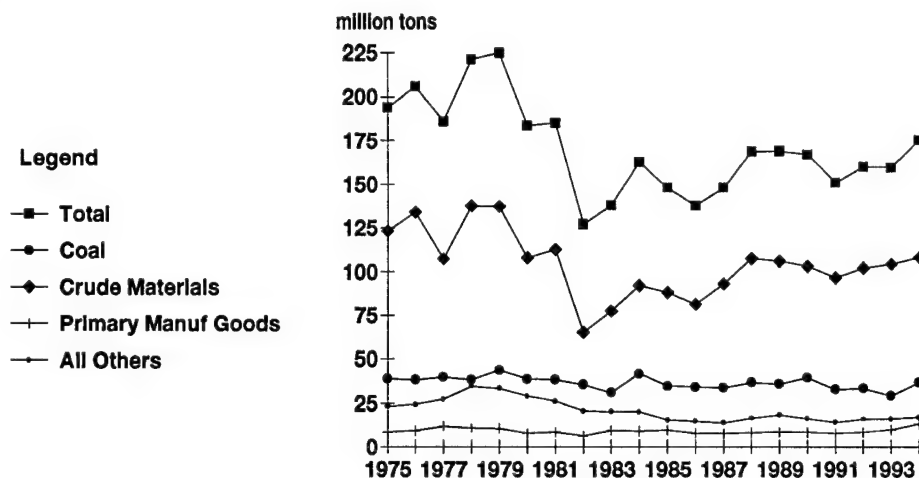


Table 3-11: GREAT LAKES, 1975-1994
BY COMMODITY GROUP
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	193.8	205.8	185.9	221.4	225.0	183.5	185.1	127.4	138.2	162.8
Coal	38.7	38.3	39.5	38.3	43.7	38.7	38.1	35.4	31.0	41.6
Petro & Petro Prod	9.4	10.5	11.6	12.0	11.7	8.9	7.5	5.9	5.3	5.5
Chem & Rel Prod	1.0	1.0	1.1	1.7	2.3	2.4	2.9	2.6	2.2	2.6
Crude Materials	123.3	134.2	107.5	137.8	137.4	108.1	112.8	65.3	77.5	92.2
Primary Manuf Goods	8.5	9.2	11.8	10.7	10.4	7.6	8.3	6.1	9.5	9.1
Food & Farm Prod	12.5	12.2	13.8	20.4	18.8	17.4	15.2	11.8	9.8	11.6
All Manuf Equip	0.4	0.5	0.6	0.5	0.6	0.4	0.4	0.3	2.8	0.2
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0

	1985	1986	1987	1988	1989	1990	1991	1992*	1993*	1994
Total	148.1	137.9	148.1	168.8	168.9	167.1	151.2	159.9	159.6	175.3
Coal	34.8	34.1	33.6	36.7	35.7	39.4	32.8	33.4	29.2	36.7
Petro & Petro Prod	5.1	5.3	4.9	6.5	6.3	6.4	5.7	5.8	5.2	5.9
Chem & Rel Prod	2.7	2.4	2.3	2.4	2.5	2.7	2.2	1.9	1.7	1.6
Crude Materials	88.2	81.3	93.1	107.5	106.2	103.1	6.5	102.2	104.5	108.4
Primary Manuf Goods	9.5	7.8	7.6	8.1	8.7	8.4	7.6	8.3	9.7	13.1
Food & Farm Prod	7.6	6.8	6.4	7.1	8.6	6.2	5.2	6.9	7.6	8.6
All Manuf Equip	0.2	0.2	0.2	0.4	0.8	1.0	1.1	1.3	1.4	0.8
Other	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1

*These figures changed due to the addition of Great Lakes Thru Traffic.

Table 3-12: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1993-1994
FOR THE GREAT LAKES
(million tons)

	1993*	1994	%Change
Total Commerce	159.6	175.3	9.8
Coal	29.2	36.7	25.5
Petro & Petro Prod	5.2	5.9	12.1
Chem & Rel Prod	1.7	1.6	-5.7
Crude Materials	104.5	108.4	3.8
Primary Manuf Goods	9.7	13.1	34.5
Food and Farm Prod	7.6	8.6	13.1
Other	1.5	0.9	-41.3
Foreign Commerce	43.9	50.8	15.8
Coal	9.4	10.4	11.0
Petro & Petro Prod	1.3	1.4	9.0
Chem & Rel Prod	1.2	1.1	-14.0
Crude Materials	18.2	21.1	15.8
Primary Manuf Goods	5.6	8.1	45.2
Food and Farm Prod	6.7	7.9	18.3
Other	1.4	0.8	-45.5
Domestic Commerce	115.8	124.5	7.5
Coal	19.9	26.3	32.4
Petro & Petro Prod	3.9	4.4	13.1
Chem & Rel Prod	0.5	0.5	17.0
Crude Materials	86.3	87.3	1.2
Primary Manuf Goods	4.2	5.0	20.3
Food and Farm Prod	1.0	0.8	-22.2
Other	0.1	0.1	9.4

*These figures changed due to the addition of Great Lakes Thru Traffic.

Figure 3-12
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1994
 FOR THE GREAT LAKES
 (million tons and percentage of tons)

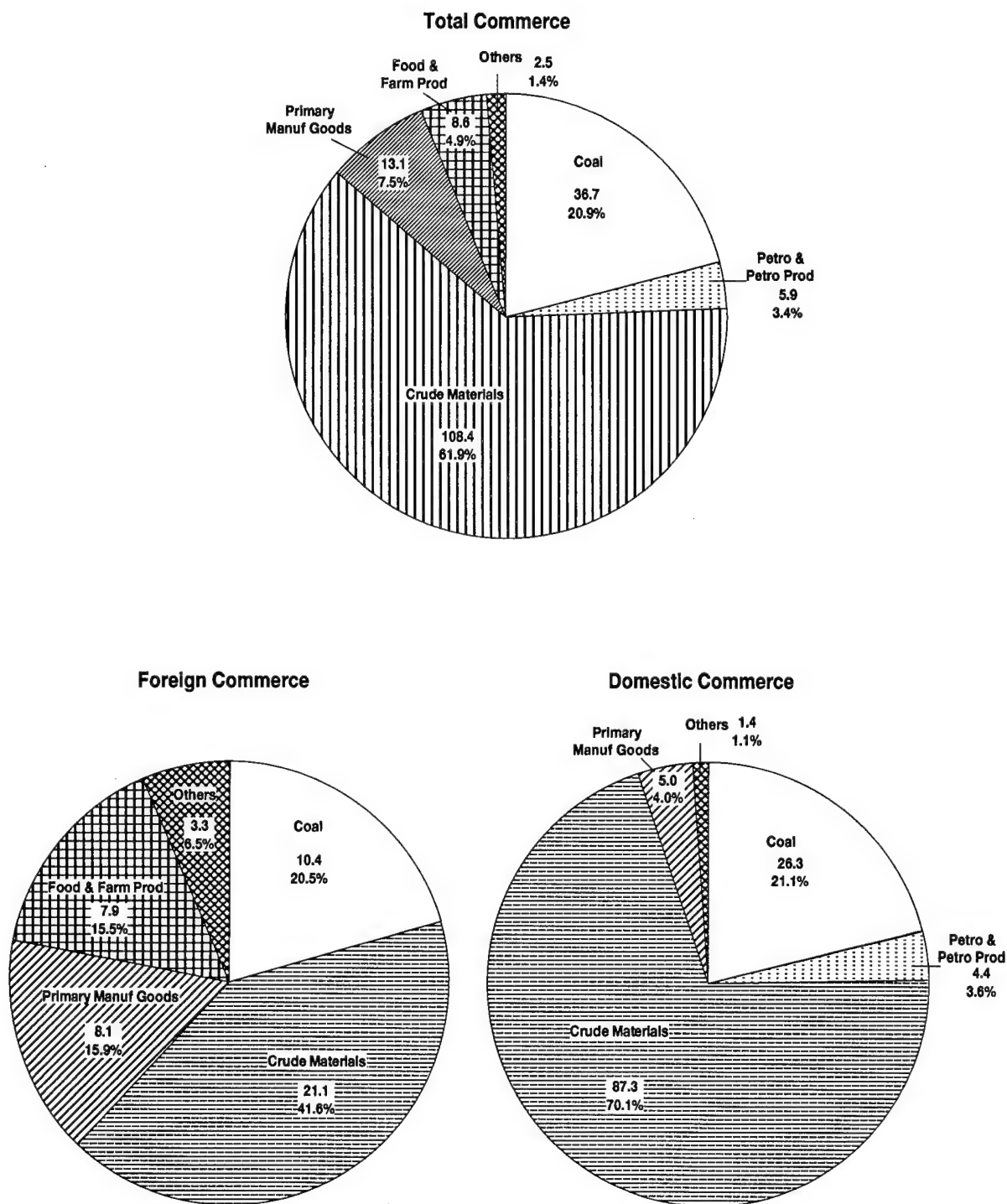


Figure 3-13
GULF INTRACOASTAL WATERWAY, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

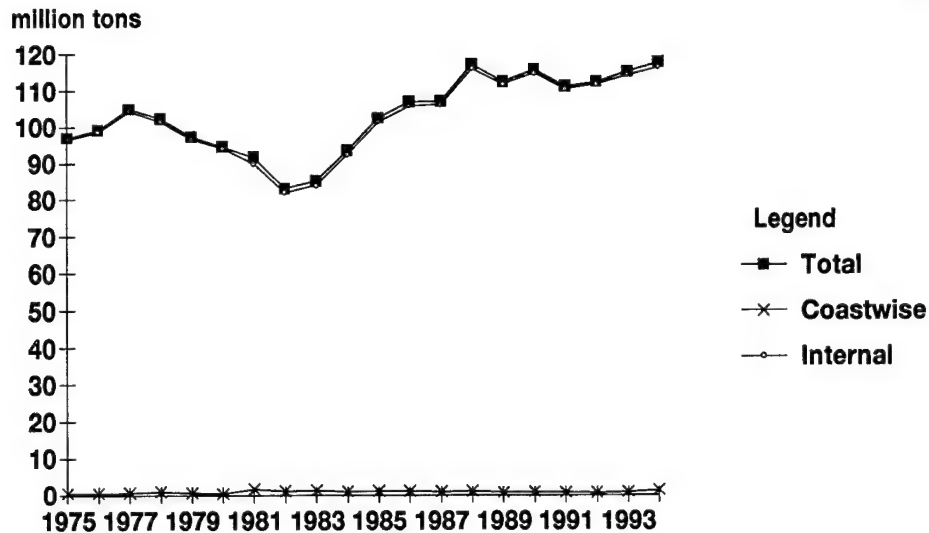


Table 3-13: GULF INTRACOASTAL WATERWAY, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	97.0	99.1	104.9	102.3	97.3	94.5	91.6	83.0	85.1	93.4
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	0.0
Coastwise	0.5	0.5	0.6	0.9	0.6	0.4	1.7	1.1	1.3	1.0
Internal	96.5	98.6	104.3	101.4	96.7	94.1	89.9	81.9	83.8	92.4

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	102.5	107.0	107.0	117.7	112.7	115.5	111.0	112.2	114.9	117.6
Imports	0.0	0.0	0.0	0.4	0.3	0.0	-	-	-	-
Exports	0.0	0.1	0.0	0.2	0.1	0.0	-	-	-	-
Coastwise	1.1	1.2	0.9	1.2	0.8	0.8	0.8	0.7	0.9	1.3
Internal	101.3	105.7	106.1	115.9	111.6	114.7	110.3	111.6	114.1	116.3

Figure 3-14
GULF INTRACOASTAL WATERWAY, 1975-1994
BY COMMODITY GROUP
(million tons)

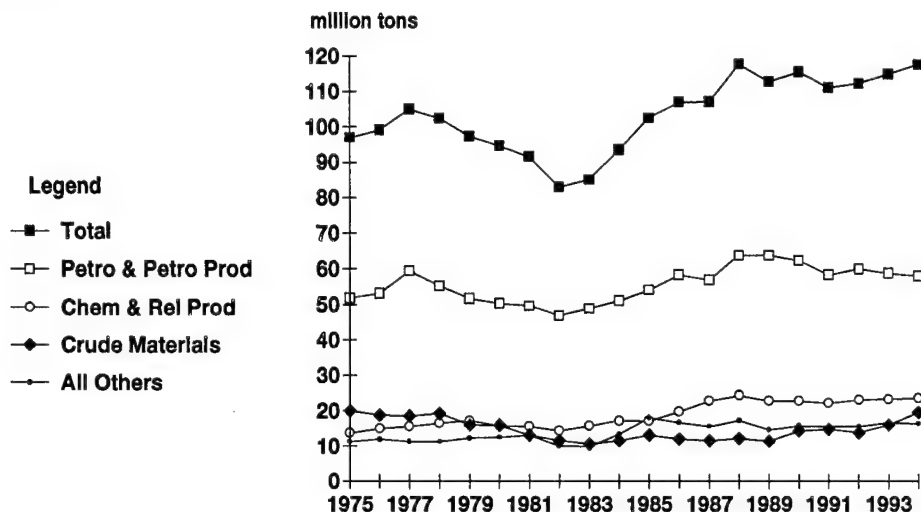


Table 3-14: GULF INTRACOASTAL WATERWAY, 1975-1994
BY COMMODITY GROUP
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	97.0	99.1	104.9	102.3	97.3	94.5	91.6	83.0	85.1	93.4
Coal	4.3	4.8	4.2	4.0	5.0	5.1	4.6	4.0	3.9	6.8
Petrol & Petrol Prod	51.9	53.2	59.6	55.3	51.8	50.4	49.7	46.9	49.0	51.2
Chem & Rel Prod	13.8	15.0	15.5	16.5	17.2	15.7	15.6	14.5	15.8	17.3
Crude Materials	20.0	18.9	18.5	19.2	16.0	15.9	13.2	11.5	10.6	11.6
Primary Manuf Goods	2.7	2.7	2.8	3.0	3.1	3.4	4.3	2.6	2.6	3.2
Food & Farm Prod	3.0	3.0	2.7	2.6	2.6	2.3	2.3	1.9	1.7	1.9
All Manuf Equip	0.7	1.0	0.9	0.9	0.6	0.6	0.7	0.4	0.4	0.4
Other	0.6	0.6	0.7	0.8	1.0	1.1	1.2	1.3	1.2	1.2

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	102.5	107.0	107.0	117.7	112.7	115.5	111.0	112.2	114.9	117.6
Coal	7.2	8.8	8.0	8.0	7.5	9.2	8.4	8.4	8.4	8.3
Petrol & Petrol Prod	54.2	58.4	57.0	63.8	63.8	62.4	58.4	60.0	58.9	58.1
Chem & Rel Prod	17.1	19.8	22.9	24.4	22.8	22.9	22.2	23.2	23.4	23.6
Crude Materials	13.1	12.1	11.5	12.2	11.4	14.4	14.8	13.9	16.0	19.6
Primary Manuf Goods	4.5	3.3	3.2	3.9	2.7	3.0	3.6	2.9	3.2	3.4
Food & Farm Prod	3.2	3.0	2.7	3.3	2.9	2.3	2.2	2.1	2.6	2.4
All Manuf Equip	1.6	0.7	0.7	1.0	0.5	0.4	0.3	0.5	0.8	0.8
Other	1.5	1.0	1.1	1.2	1.2	0.8	1.1	1.3	1.6	1.4

Figure 3-15
PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1994
FOR THE GULF INTRACOASTAL WATERWAY
 (million tons and percentage of tons)

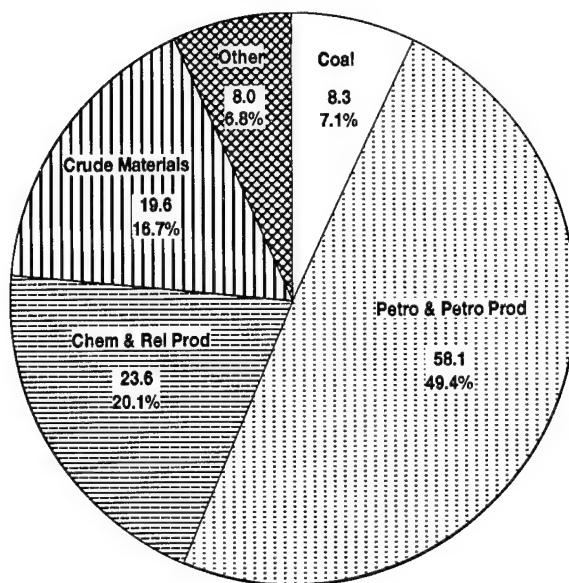


Table 3-15: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1993-1994
FOR THE GULF INTRACOASTAL WATERWAY
 (million tons)

	1993	1994	% Change
Total Commerce	114.9	117.6	2.3
Coal	8.4	8.3	-0.8
Petroleum & Petroleum Products	58.9	58.1	-1.4
Chemicals & Related Products	23.4	23.6	0.9
Crude Materials	16.0	19.6	22.4
Primary Manufactured Goods	3.2	3.4	6.0
Food & Farm Products	2.6	2.4	8.7
All Manuf Equip	0.8	0.8	5.7
Other	1.6	1.4	-15.4

Figure 3-16
COLUMBIA RIVER, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

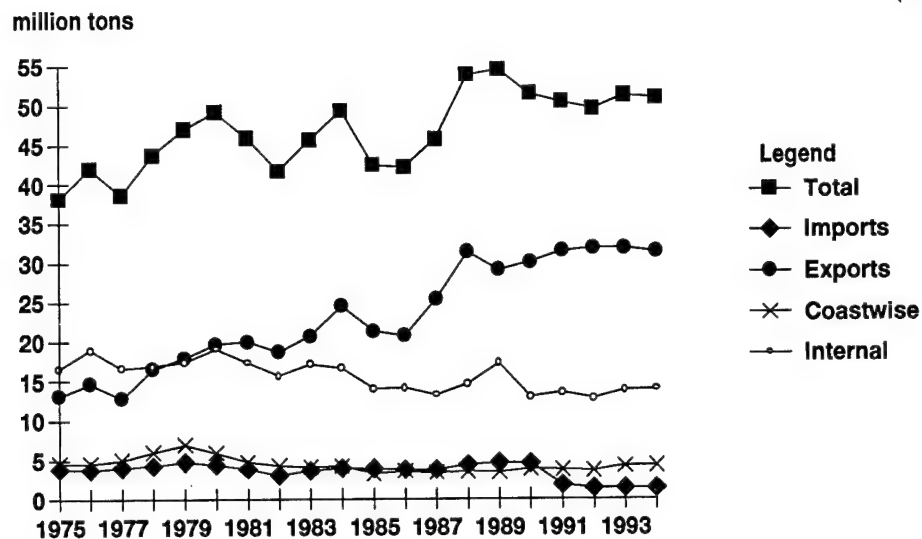


Table 3-16: COLUMBIA RIVER, 1975-1994
BY TYPE OF TRAFFIC
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	38.1	42.0	38.5	43.7	47.1	49.2	45.9	41.7	45.6	49.4
Imports	3.9	3.8	4.0	4.3	4.8	4.5	3.8	3.1	3.7	4.0
Exports	13.1	14.6	12.8	16.5	17.9	19.7	20.0	18.6	20.7	24.5
Coastwise	4.6	4.6	5.0	6.0	7.0	6.0	4.8	4.3	4.1	4.3
Internal	16.5	19.0	16.6	16.9	17.4	19.1	17.4	15.7	17.1	16.6

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	42.4	42.2	45.7	53.8	54.5	51.4	50.4	49.6	51.2	50.9
Imports	3.9	3.8	3.8	4.3	4.7	4.5	1.8	1.4	1.4	1.4
Exports	21.3	20.7	25.3	31.3	29.1	30.0	31.4	31.8	31.8	31.3
Coastwise	3.2	3.6	3.4	3.5	3.5	3.9	3.8	3.6	4.2	4.3
Internal	14.0	14.1	13.2	14.6	17.2	13.0	13.5	12.8	13.8	13.9

Figure 3-17
COLUMBIA RIVER, 1975-1994
BY COMMODITY GROUP
(million tons)

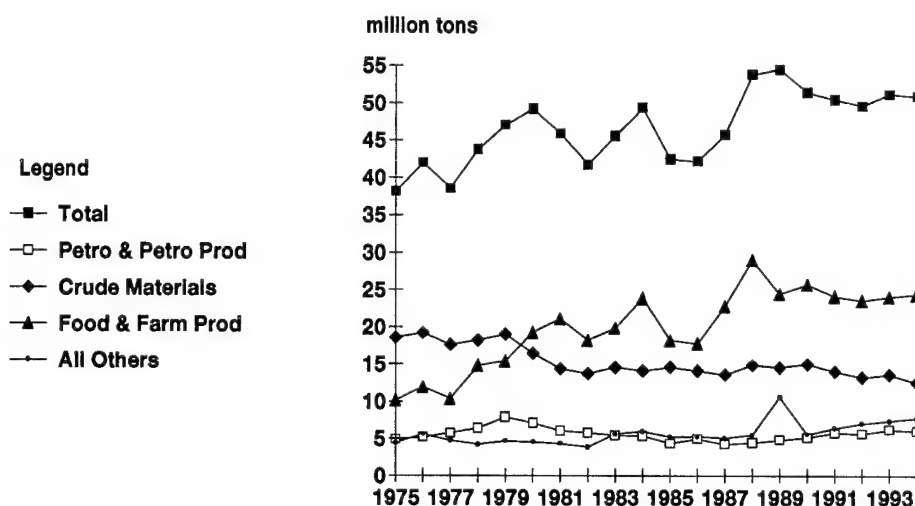


Table 3-17: COLUMBIA RIVER, 1975-1994
BY COMMODITY GROUP
(million tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	38.1	42.0	38.5	43.7	47.1	49.2	45.9	41.7	45.6	49.4
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2
Petro & Petro Prod	4.9	5.2	5.8	6.4	7.9	7.1	6.1	5.8	5.5	5.4
Chem & Rel Prod	2.1	2.3	2.1	1.5	1.5	1.6	1.4	0.9	1.4	1.7
Crude Materials	18.6	19.2	17.6	18.2	19.0	16.5	14.4	13.8	14.6	14.1
Primary Manuf Goods	1.7	2.0	2.2	2.2	2.3	2.1	2.1	1.7	2.1	2.3
Food & Farm Prod	10.2	12.0	10.4	14.9	15.4	19.3	21.1	18.2	19.9	23.9
All Manuf Equip	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.6
Other	0.5	1.1	0.0	0.0	0.4	0.3	0.3	0.8	1.5	1.1

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	42.4	42.2	45.7	53.8	54.5	51.4	50.4	49.6	51.2	50.9
Coal	0.2	0.4	0.5	0.5	0.5	0.0	0.3	0.0	0.0	0.0
Petro & Petro Prod	4.4	5.0	4.3	4.4	4.8	5.1	5.8	5.7	6.2	6.0
Chem & Rel Prod	1.9	1.9	2.1	2.0	2.3	2.7	3.1	3.7	4.0	4.1
Crude Materials	14.6	14.1	13.6	14.9	14.6	15.0	14.1	13.3	13.6	12.6
Primary Manuf Goods	2.3	2.2	1.9	2.1	2.1	2.3	2.3	2.5	2.5	2.8
Food & Farm Prod	18.2	17.8	22.8	29.0	24.4	25.7	24.2	23.6	24.0	24.4
All Manuf Equip	0.6	0.7	0.4	0.8	0.7	0.6	0.7	0.7	0.7	0.8
Other	0.2	0.0	0.1	0.0	5.0	0.0	0.0	0.2	0.2	0.2

*Table 3-18: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1993-1994
FOR THE COLUMBIA RIVER
(million tons)*

	1993	1994	%Change
Total Commerce	51.2	50.9	-0.3
Coal	0.0	0.0	-16.4
Petro & Petro Prod	6.2	6.0	-3.3
Chem & Rel Prod	4.0	4.1	4.6
Crude Materials	13.6	12.6	-6.0
Primary Manuf Goods	2.5	2.8	9.8
Food & Farm Prod	24.0	24.4	1.4
All Manuf Equip	0.7	0.8	14.5
Other	0.2	0.2	8.4
Foreign Commerce	33.2	32.7	-1.5
Coal	0.0	0.0	-12.5
Petro & Petro Prod	1.1	1.0	-15.5
Chem & rel Prod	2.8	3.1	10.2
Crude Materials	7.9	7.4	-6.9
Primary Manuf Goods	1.7	2.0	18.6
Food & Farm Prod	18.9	18.5	-2.5
All Manuf Equip	0.7	0.8	15.2
Other	0.0	0.0	32.4
Domestic Commerce	18.0	18.2	2.0
Coal	0.0	0.0	-100.0
Petro & Petro Prod	5.1	5.1	-0.6
Chem & rel Prod	1.2	1.1	-8.6
Crude Materials	5.6	5.2	-4.8
Primary Manuf Goods	0.8	0.7	-9.5
Food & Farm Prod	5.1	5.9	15.7
All Manuf Equip	0.1	0.1	5.1
Other	0.2	0.2	7.4

Figure 3-18
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1994
 FOR THE COLUMBIA RIVER
 (million tons and percentage of tons)

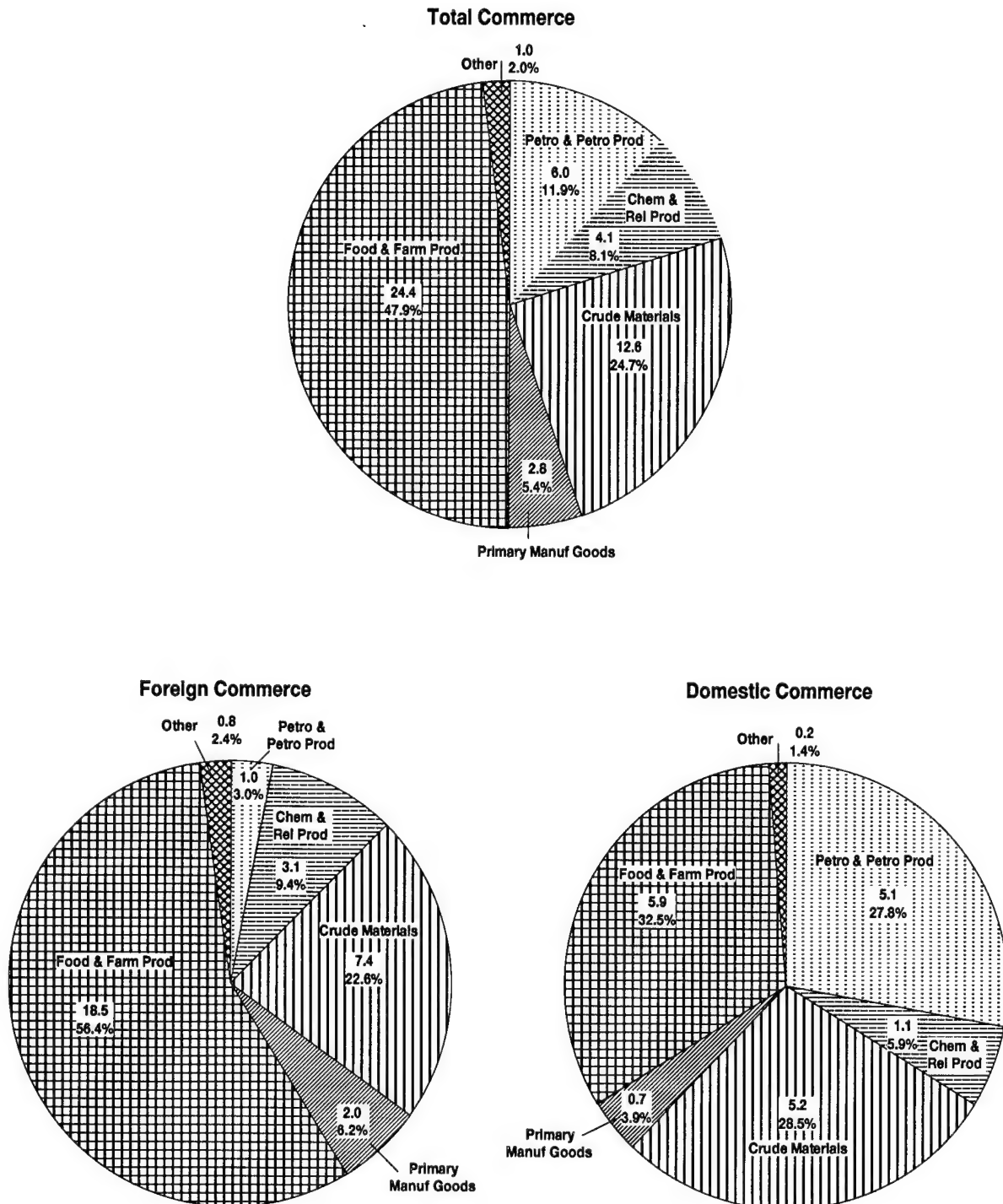


Figure 3-19
SNAKE RIVER, 1975-1994
BY COMMODITY GROUP
(thousand tons)

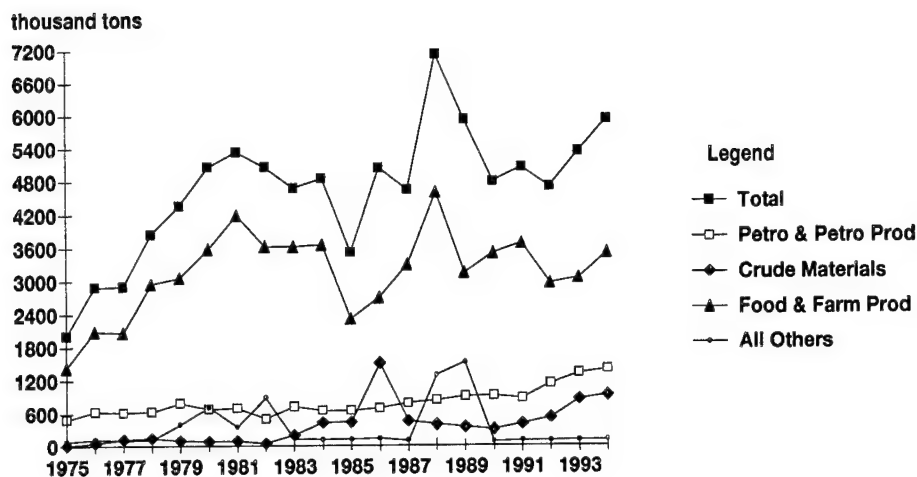


Table 3-19: SNAKE RIVER, 1975-1994
BY COMMODITY GROUP
(thousand tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	2,010.7	2,894.6	2,911.2	3,852.3	4,356.7	5,063.6	5,053.2	5,065.3	4,679.1	4,852.0
Petro & Petro Prod	487.9	634.2	623.2	631.0	791.5	687.2	702.7	501.8	724.8	654.0
Chem & Rel Prod	71.4	89.1	59.6	56.9	45.1	56.8	41.4	51.0	25.7	26.3
Crude Materials	11.0	54.2	118.9	144.5	100.3	81.1	94.1	47.1	202.7	429.8
Primary Manuf Goods	1.8	27.7	39.0	59.2	76.6	37.7	34.0	35.5	85.2	71.7
Food & Farm Prod	1,433.2	2,086.6	2,068.8	2,957.9	3,065.8	3,583.6	4,187.4	3,629.9	3,625.3	3,653.5
All Manuf Equip	5.4	2.8	1.5	1.2	1.8	5.8	6.2	8.0	15.5	16.7
Waste & Scrap	-	-	0.4	-	264.5	611.4	269.4	792.0	-	-
Other	0.1	-	-	1.7	11.2	-	-	-	-	-

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	3,518.8	5,042.6	4,644.9	7,125.1	5,930.3	4,804.0	5,053.2	4,703.7	5,339.1	5,929.1
Petro & Petro Prod	652.7	694.8	789.5	839.1	908.4	920.0	875.1	1,140.4	1,328.9	1391.3
Chem & Rel Prod	27.2	45.2	36.2	22.9	33.1	14.8	41.3	35.4	50.9	43.4
Crude Materials	434.5	1,512.8	461.3	390.3	347.2	304.8	404.1	518.0	858.6	925.9
Primary Manuf Goods	74.4	45.9	45.6	52.2	45.3	53.8	45.0	43.2	40.0	46.0
Food & Farm Prod	2,316.8	2,704.4	3,301.3	4,601.1	3,148.8	3,503.2	3,682.4	2,961.4	3,055.8	3,510.7
All Manuf Equip	13.2	38.5	10.0	57.2	9.9	7.3	5.3	5.3	4.9	11.8
Waste & Scrap	-	0.9	1.0	1,162.2	1,437.5	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-

Figure 3-20
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1994
 FOR THE SNAKE RIVER
 (thousand tons and percentage of tons)

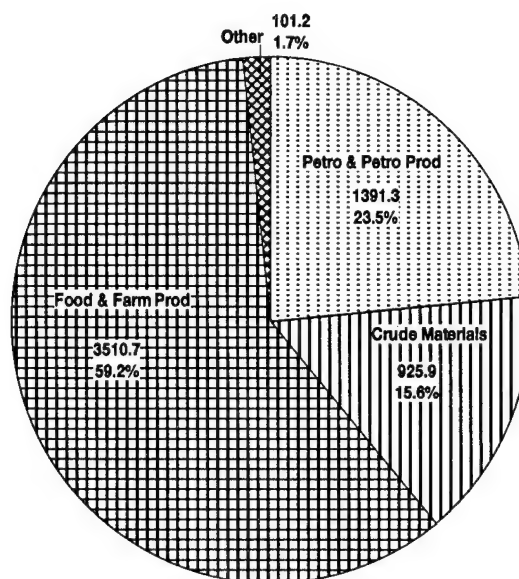


Table 3-20: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1993-1994
 FOR THE SNAKE RIVER
 (thousand tons)

	1993	1994	% Change
Total Commerce	5,339.1	5,929.1	11.1
Petroleum & Petroleum Products	1,328.9	1,391.3	4.7
Chemicals & Related Products	50.9	43.4	-14.8
Crude Materials	858.6	925.9	7.8
Primary Manufactured Goods	40.0	46.0	15.0
Food & Farm Products	3,055.8	3,510.7	14.9
All Manufactured Equipment	4.9	11.8	143.4
Waste & Scrap	-	-	-

Section 4

States

Table 4-1: WATERBORNE COMMERCE BY STATES, 1994
(thousand tons)

State	Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
Total	2,214,808	772,167	396,202	772,167	719,497	326,942
Alabama	69,841	9,131	9,934	21,999	10,657	18,120
Alaska	101,875	87,147	7,717	2,679	597	3,735
Arkansas	13,429	5,774	-	4,859	-	2,796
California	183,367	6,662	45,724	56,433	45,319	29,229
Connecticut	16,823	1,020	203	11,389	3,440	771
Delaware	33,135	14,947	468	1,379	13,512	2,829
District of Columbia	704	-	-	704	-	-
Florida	121,105	14,388	21,996	55,663	23,418	5,640
Georgia	17,819	717	7,079	2,609	7,116	298
Guam	247	20	-	227	-	-
Hawaii	21,185	1,540	1,107	6,928	5,837	5,773
Idaho	1,792	1,114	-	102	-	576
Illinois	111,490	72,871	237	21,859	3,688	12,835
Indiana	79,851	22,668	140	50,062	2,478	4,503
Iowa	13,085	7,906	-	4,467	-	712
Kansas	392	291	-	101	-	-
Kentucky	87,403	49,866	-	23,693	-	13,844
Louisiana	477,310	99,226	98,792	127,029	114,427	37,836
Maine	17,279	73	371	2,188	14,427	220
Maryland	46,537	5,749	10,952	10,241	15,672	3,923
Massachusetts	25,597	868	670	11,235	11,165	1,659
Michigan	78,979	25,691	6,106	24,644	7,470	15,068
Minnesota	51,435	36,859	3,332	7,565	1,641	2,038
Mississippi	46,342	14,653	3,951	8,945	17,730	1,063
Missouri	30,697	12,338	-	10,054	-	8,305
Nebraska	497	318	-	167	-	12
New Hampshire	3,479	7	348	528	2,591	5
New Jersey	97,774	26,138	7,060	28,946	30,913	4,717
New York	89,966	17,471	2,002	22,125	31,821	16,547
North Carolina	12,525	438	2,929	3,179	3,220	2,759
Ohio	126,289	29,960	12,910	55,660	5,071	22,688
Oklahoma	3,708	2,123	-	1,526	-	59
Oregon	39,147	3,693	18,678	7,622	3,524	5,630
Other	59,158	6,528	-	5,488	47,142	-
Pacific Islands	4	-	-	4	-	-
Pennsylvania	120,697	18,168	741	43,254	43,363	15,171
Puerto Rico	30,924	3,148	1,491	7,176	14,625	4,484
Rhode Island	7,070	404	412	4,116	2,023	115
South Carolina	14,119	403	5,770	3,579	4,353	14
Tennessee	39,123	5,892	4	29,989	-	3,238
Texas	354,386	47,947	43,944	26,695	186,999	48,801
Trans-Ship**	10,166	5,103	-	5,063	-	-
Vermont	-	-	-	-	-	-
Virgin Islands	43,386	19,063	1,063	4,028	18,710	522
Virginia	72,080	11,187	40,758	4,305	9,754	6,076
Washington	104,628	10,902	35,068	29,890	15,127	13,641
West Virginia	74,334	49,164	-	14,814	-	10,356
Wisconsin	35,795	22,591	4,244	6,958	1,668	334

* Excludes duplication.

**Ports and offshore anchorages where cargo is moved from one vessel to another. These are St. Lucia, Virgin Islands, Heald Bank off LA-TX coast, Cherique Grande, Panama, Puerto Armuelles, Panama and Hondo Platform-Pacific Ocean.

Table 4-2: WATERBORNE COMMERCE BY STATES, 1994, RANKED BY TOTAL TONS
(thousand tons)

State	Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
Totals	2,214,808	772,167	396,202	772,167	719,497	326,942
Louisiana	477,310	99,226	98,792	127,029	114,427	37,836
Texas	354,386	47,947	43,944	26,695	186,999	48,801
California	183,367	6,662	45,724	56,433	45,319	29,229
Ohio	126,289	29,960	12,910	55,660	5,071	22,688
Florida	121,105	14,388	21,996	55,663	23,418	5,640
Pennsylvania	120,697	18,168	741	43,254	43,363	15,171
Illinois	111,490	72,871	237	21,859	3,688	12,835
Washington	104,628	10,902	35,068	29,890	15,127	13,641
Alaska	101,875	87,147	7,717	2,679	597	3,735
New Jersey	97,774	26,138	7,060	28,946	30,913	4,717
New York	89,966	17,471	2,002	22,125	31,821	16,547
Kentucky	87,403	49,866	-	23,693	-	13,844
Indiana	79,851	22,668	140	50,062	2,478	4,503
Michigan	78,979	25,691	6,106	24,644	7,470	15,068
West Virginia	74,334	49,164	-	14,814	-	10,356
Virginia	72,080	11,187	40,758	4,305	9,754	6,076
Alabama	69,841	9,131	9,934	21,999	10,657	18,120
Other	59,158	6,528	-	5,488	47,142	-
Minnesota	51,435	36,859	3,332	7,565	1,641	2,038
Maryland	46,537	5,749	10,952	10,241	15,672	3,923
Mississippi	46,342	14,653	3,951	8,945	17,730	1,063
Virgin Islands	43,386	19,063	1,063	4,028	18,710	522
Oregon	39,147	3,693	18,678	7,622	3,524	5,630
Tennessee	39,123	5,892	4	29,989	-	3,238
Wisconsin	35,795	22,591	4,244	6,958	1,668	334
Delaware	33,135	14,947	468	1,379	13,512	2,829
Puerto Rico	30,924	3,148	1,491	7,176	14,625	4,484
Missouri	30,697	12,338	-	10,054	-	8,305
Massachusetts	25,597	868	670	11,235	11,165	1,659
Hawaii	21,185	1,540	1,107	6,928	5,837	5,773
Georgia	17,819	717	7,079	2,609	7,116	298
Maine	17,279	73	371	2,188	14,427	220
Connecticut	16,823	1,020	203	11,389	3,440	771
South Carolina	14,119	403	5,770	3,579	4,353	14
Arkansas	13,429	5,774	-	4,859	-	2,796
Iowa	13,085	7,906	-	4,467	-	712
North Carolina	12,525	438	2,929	3,179	3,220	2,759
Trans-Ship**	10,166	5,103	-	5,063	-	-
Rhode Island	7,070	404	412	4,116	2,023	115
Oklahoma	3,708	2,123	-	1,526	-	59
New Hampshire	3,479	7	348	528	2,591	5
Idaho	1,792	1,114	-	102	-	576
District of Columbia	704	-	-	704	-	-
Nebraska	497	318	-	167	-	12
Kansas	392	291	-	101	-	-
Guam	247	20	-	227	-	-
Pacific Islands	4	-	-	4	-	-
Vermont	-	-	-	-	-	-

* Excludes duplication.

**Ports and offshore anchorages where cargo is moved from one vessel to another. These are St. Lucia, Virgin Islands, Heald Bank off LA-TX coast, Cherique Grande, Panama, Puerto Armuelles, Panama and Hondo Platform-Pacific Ocean.

Table 4-3: U.S. COMMERCIAL LANDINGS OF FISH, BY STATES, 1993 AND 1994*
(thousand pounds)

State	1993	1994	% Change	Year	Record Landing
Total	10,466,895	10,461,388	-0.1	-	-
Alabama	22,093	23,488	6.3	1973	36,744
Alaska	5,905,638	5,388,923	-8.7	1993	5,905,638
California	281,476	343,429	22.0	1936	1,760,193
Connecticut	17,398	19,797	13.8	1930	88,012
Delaware	7,191	6,988	-2.8	1953	367,500
Florida	178,751	176,551	-1.2	1938	241,443
Georgia	15,743	14,506	-7.9	1927	47,607
Hawaii	34,582	27,090	-21.7	1993	34,582
Illinois	194	405	108.8	-	**
Indiana	1,596	1,411	-11.6	-	**
Louisiana	1,292,893	1,704,387	31.8	1984	1,931,027
Maine	236,406	231,035	-2.3	1950	356,266
Maryland	84,938	67,512	-20.5	1890	141,607
Massachusetts	219,166	183,307	-16.4	1948	649,696
Michigan	16,861	13,641	-19.1	1930	35,580
Minnesota	371	480	29.4	-	**
Mississippi	181,339	220,828	21.8	1984	476,997
New Hampshire	10,971	12,099	10.3	-	**
New Jersey	196,101	201,598	2.8	1956	540,060
New York	54,340	44,721	-17.7	1880	335,000
North Carolina	164,883	196,853	19.4	1981	432,006
Ohio	5,332	4,348	-18.5	1936	31,083
Oregon	210,246	245,560	16.8	1992	256,912
Pennsylvania	230	371	61.3	-	**
Rhode Island	120,756	111,808	-7.4	1957	142,080
South Carolina	18,843	17,571	-6.8	1965	26,611
Texas	90,573	85,209	-5.9	1960	237,684
Virginia	728,345	580,930	-20.2	1990	786,794
Washington	362,344	527,804	45.7	1994	527,804
Wisconsin	7,295	8,738	19.8	-	**

Source: U.S. Department of Commerce, National Marine Fisheries Service.

* Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River Drainage Area States are not available.

**Data not available.

Section 5

Ports

Table 5-1: SELECTED U.S. PORTS BY PORT NAME, 1994
(tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
72	Albany, NY	6,106,744	1,502,989	1,218,602	284,387	4,603,755
100	Alpena, MI	2,672,477	119,179	6,089	113,090	2,553,298
48	Anacortes, WA	12,950,108	2,260,456	796,384	1,464,072	10,689,652
104	Anchorage, AK	2,559,391	849,818	316,350	533,468	1,709,573
52	Ashtabula, OH	10,368,499	3,064,438	676,986	2,387,452	7,304,061
132	Astoria, OR	1,354,282	1,215,270	99,317	1,115,953	139,012
19	Baltimore, MD	41,450,422	26,275,053	15,348,901	10,926,152	15,175,369
61	Barbers Point, Oahu, HI	9,022,040	5,053,212	4,254,661	798,551	3,968,828
4	Baton Rouge, LA	86,245,856	41,599,547	31,353,898	10,245,649	44,646,309
30	Beaumont, TX	21,200,684	7,331,442	5,698,874	1,632,568	13,869,242
133	Bellingham, WA	1,343,181	716,925	138,561	578,364	626,256
122	Biloxi, MS	1,607,458	-	-	-	1,607,458
32	Boston, MA	18,869,586	9,798,118	9,152,923	645,195	9,071,468
95	Bridgeport, CT	3,053,626	497,665	489,683	7,982	2,555,961
93	Brownsville, TX	3,395,961	2,123,806	2,108,483	15,323	1,272,155
120	Brunswick, GA	1,626,173	1,423,309	862,165	561,144	202,864
135	Bucksport, ME	1,231,946	870,824	870,817	7	361,122
118	Buffalo, NY	1,685,139	467,853	408,360	59,493	1,217,286
143	Buffington, IN	1,097,306	60,876	-	60,876	1,036,430
57	Burns Waterway Harbor, IN	9,343,881	1,985,125	1,912,099	73,026	7,358,756
66	Calcite, MI	7,455,693	1,584,136	-	1,584,136	5,871,557
74	Camden-Gloucester, NJ	5,668,842	3,091,474	2,319,251	772,223	2,577,368
51	Charleston, SC	10,829,846	6,924,970	2,748,073	4,176,897	3,904,876
124	Charlevoix, MI	1,549,372	79,383	-	79,383	1,469,989
145	Charlotte, FL	1,045,126	-	-	-	1,045,126
101	Chattanooga, TN	2,661,025	-	-	-	2,661,025
123	Chester, PA	1,555,167	968,437	802,203	166,234	586,730
24	Chicago, IL	29,421,566	3,924,099	3,687,546	236,553	25,497,467
126	Christiansted, St Croix, VI	1,543,463	1,346,994	1,286,660	60,334	196,469
47	Cincinnati, OH	13,192,767	-	-	-	13,192,767
42	Cleveland, OH	15,284,407	3,056,209	2,739,956	316,253	12,228,198
75	Conneaut, OH	5,654,746	2,323,785	30,916	2,292,869	3,330,961
89	Coos Bay, OR	3,743,963	3,532,228	46,531	3,485,697	211,735
6	Corpus Christi, TX	78,138,462	53,602,666	47,364,665	6,238,001	24,535,796
33	Detroit, MI	18,718,014	6,014,250	5,494,396	519,854	12,703,764
128	Drummond Island, MI	1,473,523	196,604	-	196,604	1,276,919
18	Duluth-Superior, MN & WI	41,819,417	9,435,062	2,045,208	7,389,854	32,384,355
146	Erie, PA	978,776	132,414	132,155	259	846,362
64	Escanaba, MI	7,774,734	1	1	-	7,774,733
85	Everett, WA	4,191,656	1,159,641	325,458	834,183	3,032,015
96	Fairport Harbor, OH	2,954,667	233,948	-	233,948	2,720,719
86	Fall River, MA	4,178,036	584,668	572,366	12,302	3,593,368
36	Freeport, TX	17,450,109	12,533,024	10,809,458	1,723,566	4,917,085
53	Galveston, TX	10,256,921	5,914,095	3,122,448	2,791,647	4,342,826
62	Gary, IN	8,765,065	165,983	165,983	-	8,599,082
150	Grand Haven, MI	878,412	91,351	7,540	83,811	787,061
119	Grays Harbor, WA	1,654,408	1,489,606	2,443	1,487,163	164,802
108	Green Bay, WI	2,288,056	239,617	196,609	43,008	2,048,439
106	Greenville, MS	2,429,742	-	-	-	2,429,742
114	Gulfport, MS	1,842,149	1,674,983	1,140,102	534,881	167,166

Table 5-1: SELECTED U.S. PORTS BY PORT NAME , 1994 (continued)
(tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
102	Guntersville, AL	2,652,783	-	-	-	2,652,783
112	Helena, AR	1,989,408	-	-	-	1,989,408
148	Hempstead, NY	916,319	-	-	-	916,319
130	Hilo, HI	1,455,485	93,112	86,340	6,772	1,362,373
50	Honolulu, HI	11,672,245	1,757,092	1,455,988	301,104	9,915,153
149	Hopewell, VA	916,077	148,014	7,923	140,091	768,063
2	Houston, TX	143,662,625	80,153,848	54,856,552	25,297,296	63,508,777
131	Humboldt, CA	1,407,374	712,013	23,035	688,978	695,361
26	Huntington, WV	25,629,485	-	-	-	25,629,485
38	Indiana Harbor, IN	16,144,862	405,893	399,933	5,960	15,738,969
31	Jacksonville, FL	18,910,150	8,439,994	6,871,504	1,568,490	10,470,156
107	Kahului, Maui, HI	2,368,065	28,756	28,214	542	2,339,309
77	Kalama, WA	5,351,115	4,313,077	23,130	4,289,947	1,038,038
98	Kansas City, MO	2,815,882	-	-	-	2,815,882
115	Ketchikan, AK	1,759,074	641,307	15,628	625,679	1,117,767
12	Lake Charles, LA	48,331,277	27,699,122	22,643,525	5,055,597	20,632,155
9	Long Beach, CA	56,522,167	32,957,732	16,247,256	16,710,476	23,564,435
70	Longview, WA	6,441,798	5,139,163	547,698	4,591,465	1,302,635
43	Lorain, OH	14,748,165	69,914	69,914	-	14,678,251
17	Los Angeles, CA	43,139,632	25,577,574	13,897,659	11,679,915	17,562,058
58	Louisville, KY	9,320,437	-	-	-	9,320,437
144	Ludington, MI	1,093,469	41,753	30,661	11,092	1,051,716
99	Marblehead, OH	2,790,392	100,090	-	100,090	2,690,302
21	Marcus Hook, PA	30,420,459	16,574,510	16,496,857	77,653	13,845,949
91	Marine City, MI	3,572,209	-	-	-	3,572,209
137	Marysville, MI	1,174,704	205,585	182,133	23,452	969,119
67	Matagorda Ship Channel, TX	7,379,628	5,211,218	4,925,456	285,762	2,168,410
40	Memphis, TN	15,679,999	-	-	-	15,679,999
69	Miami, FL	6,514,924	4,895,387	2,283,175	2,612,212	1,619,537
103	Milwaukee, WI	2,641,109	1,077,077	933,432	143,645	1,564,032
134	Minneapolis, MN	1,239,856	-	-	-	1,239,856
15	Mobile, AL	44,996,849	20,515,941	10,657,196	9,858,745	24,480,908
110	Monroe, MI	2,034,815	-	-	-	2,034,815
87	Morehead City, NC	4,144,302	2,367,297	512,572	1,854,725	1,777,005
60	Mount Vernon, IN	9,287,779	-	-	-	9,287,779
111	Muskegon, MI	2,004,423	207,927	177,671	30,256	1,796,496
88	Nashville, TN	3,832,566	-	-	-	3,832,566
139	Nawiliwili, Kauai, HI	1,150,924	11,789	11,789	-	1,139,135
44	New Castle, DE	14,738,190	8,648,981	8,633,939	15,042	6,089,209
56	New Haven, CT	9,470,882	3,037,716	2,843,158	194,558	6,433,166
7	New Orleans, LA	73,332,939	35,627,157	20,494,075	15,133,082	37,705,782
3	New York, NY and NJ	126,100,614	49,209,267	41,530,540	7,678,727	76,891,347
41	Newport News, VA	15,671,052	10,676,531	935,963	9,740,568	4,994,521
84	Nikishka, AK	4,326,326	1,278,225	1	1,278,224	3,048,101
13	Norfolk Harbor, VA	45,773,648	35,540,864	5,097,656	30,443,208	10,232,784
49	Oakland, CA	12,914,086	10,427,296	4,924,275	5,503,021	2,486,790
127	Olympia, WA	1,514,000	82,607	-	82,607	1,431,393
97	Palm Beach, FL	2,882,844	1,026,471	453,473	572,998	1,856,373
105	Panama City, FL	2,502,984	588,216	58,036	530,180	1,914,768
23	Pascagoula, MS	30,048,859	19,949,849	16,582,650	3,367,199	10,099,010

Table 5-1: SELECTED U.S. PORTS BY PORT NAME , 1994 (continued)
(tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
27	Paulsboro, NJ	24,667,782	13,780,611	13,710,006	70,605	10,887,171
129	Pensacola, FL	1,465,965	320,541	18,769	301,772	1,145,424
20	Philadelphia, PA	40,745,690	26,446,627	25,965,989	480,638	14,299,063
11	Pittsburgh, PA	49,056,218	-	-	-	49,056,218
8	Plaquemine, LA, Port of	64,758,624	20,775,332	8,915,554	11,859,778	43,983,292
117	Port Angeles, WA	1,695,048	778,410	128,488	649,922	916,638
14	Port Arthur, TX	45,586,136	39,392,184	34,297,737	5,094,447	6,193,952
90	Port Canaveral, FL	3,623,090	1,324,369	944,683	379,686	2,298,721
94	Port Dolomite, MI	3,252,975	337,933	45,406	292,527	2,915,042
34	Port Everglades, FL	18,135,257	6,668,700	5,399,378	1,269,322	11,466,557
80	Port Inland, MI	4,739,728	126,041	-	126,041	4,613,687
109	Port Jefferson, NY	2,100,897	-	-	-	2,100,897
45	Portland, ME	14,245,338	12,659,109	12,555,677	103,432	1,586,229
22	Portland, OR	30,164,479	17,429,605	3,373,503	14,056,102	12,734,874
92	Portsmouth, NH	3,479,010	2,938,743	2,591,063	347,680	540,267
54	Presque Isle, MI	10,191,125	1,921,093	-	1,921,093	8,270,032
68	Providence, RI	6,536,448	2,217,646	1,813,894	403,752	4,318,802
28	Richmond, CA	24,093,993	6,088,062	3,237,808	2,850,254	18,005,931
141	Richmond, VA	1,133,970	562,543	279,706	282,837	571,427
125	Sacramento, CA	1,544,605	1,207,591	226,700	980,891	337,014
136	Salem, MA	1,227,099	907,943	907,803	140	319,156
138	San Diego, CA	1,166,900	904,696	304,663	600,033	262,204
116	San Francisco, CA	1,738,572	1,230,742	562,086	668,656	507,830
37	San Juan, PR	16,299,654	6,108,990	5,376,486	732,504	10,190,664
76	Sandusky, OH	5,421,549	3,248,963	31,195	3,217,768	2,172,586
39	Savannah, GA	15,904,910	12,772,183	6,254,094	6,518,089	3,132,727
140	Searsport, ME	1,136,068	940,658	827,882	112,776	195,410
29	Seattle, WA	22,335,514	15,541,768	7,483,433	8,058,335	6,793,746
147	Seward, AK	960,874	892,434	36,806	855,628	68,440
83	Silver Bay, MN	4,428,009	-	-	-	4,428,009
1	South Louisiana, LA, Port of	184,855,712	86,506,707	30,085,083	56,421,624	98,349,005
142	Stamford, CT	1,115,561	-	-	-	1,115,561
121	Stockton, CA	1,608,871	1,444,530	642,939	801,591	164,341
63	Stoneport, MI	8,415,775	999,797	-	999,797	7,415,978
73	St. Clair, MI	5,886,656	38,032	17,203	20,829	5,848,624
25	St. Louis, MO & IL	29,418,967	-	-	-	29,418,967
79	St. Paul, MN	4,881,224	-	-	-	4,881,224
35	Tacoma, WA	17,615,819	11,310,327	4,240,597	7,069,730	6,305,492
55	Taconite, MN	9,510,156	-	-	-	9,510,156
10	Tampa, FL	51,902,190	20,445,419	6,296,725	14,148,694	31,456,771
16	Texas City, TX	44,350,803	24,562,647	23,734,256	828,391	19,788,156
46	Toledo, OH	13,203,884	5,777,497	1,480,830	4,296,667	7,426,387
113	Tulsa, Port of Catoosa, OK	1,895,781	-	-	-	1,895,781
59	Two Harbors, MN	9,288,029	-	-	-	9,288,029
5	Valdez, AK	85,096,176	22,032	1	22,031	85,074,144
71	Vancouver, WA	6,280,927	4,608,954	715,863	3,893,091	1,671,973
78	Vicksburg, MS	5,107,967	-	-	-	5,107,967
81	Victoria, TX	4,566,571	-	-	-	4,566,571
82	Wilmington, DE	4,503,345	3,842,932	3,391,199	451,733	660,413
65	Wilmington, NC	7,697,282	3,781,942	2,707,674	1,074,268	3,915,340

Table 5-2: SELECTED U.S. PORTS, 1994, RANKED BY TOTAL TONS
(tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
1	South Louisiana, LA, Port of	184,855,712	86,506,707	30,085,083	56,421,624	98,349,005
2	Houston, TX	143,662,625	80,153,848	54,856,552	25,297,296	63,508,777
3	New York, NY & NJ	126,100,614	49,209,267	41,530,540	7,678,727	76,891,347
4	Baton Rouge, LA	86,245,856	41,599,547	31,353,898	10,245,649	44,646,309
5	Valdez, AK	85,096,176	22,032	1	22,031	85,074,144
6	Corpus Christi, TX	78,138,462	53,602,666	47,364,665	6,238,001	24,535,796
7	New Orleans, LA	73,332,939	35,627,157	20,494,075	15,133,082	37,705,782
8	Plaquemine, LA, Port of	64,758,624	20,775,332	8,915,554	11,859,778	43,983,292
9	Long Beach, CA	56,522,167	32,957,732	16,247,256	16,710,476	23,564,435
10	Tampa, FL	51,902,190	20,445,419	6,296,725	14,148,694	31,456,771
11	Pittsburgh, PA	49,056,218	-	-	-	49,056,218
12	Lake Charles, LA	48,331,277	27,699,122	22,643,525	5,055,597	20,632,155
13	Norfolk Harbor, VA	45,773,648	35,540,864	5,097,656	30,443,208	10,232,784
14	Port Arthur, TX	45,586,136	39,392,184	34,297,737	5,094,447	6,193,952
15	Mobile, AL	44,996,849	20,515,941	10,657,196	9,858,745	24,480,908
16	Texas City, TX	44,350,803	24,562,647	23,734,256	828,391	19,788,156
17	Los Angeles, CA	43,139,632	25,577,574	13,897,659	11,679,915	17,562,058
18	Duluth-Superior, MN & WI	41,819,417	9,435,062	2,045,208	7,389,854	32,384,355
19	Baltimore, MD	41,450,422	26,275,053	15,348,901	10,926,152	15,175,369
20	Philadelphia, PA	40,745,690	26,446,627	25,965,989	480,638	14,299,063
21	Marcus Hook, PA	30,420,459	16,574,510	16,496,857	77,653	13,845,949
22	Portland, OR	30,164,479	17,429,605	3,373,503	14,056,102	12,734,874
23	Pascagoula, MS	30,048,859	19,949,849	16,582,650	3,367,199	10,099,010
24	Chicago, IL	29,421,566	3,924,099	3,687,546	236,553	25,497,467
25	St. Louis, MO & IL	29,418,967	-	-	-	29,418,967
26	Huntington, WV	25,629,485	-	-	-	25,629,485
27	Paulsboro, NJ	24,667,782	13,780,611	13,710,006	70,605	10,887,171
28	Richmond, CA	24,093,993	6,088,062	3,237,808	2,850,254	18,005,931
29	Seattle, WA	22,335,514	15,541,768	7,483,433	8,058,335	6,793,746
30	Beaumont, TX	21,200,684	7,331,442	5,698,874	1,632,568	13,869,242
31	Jacksonville, FL	18,910,150	8,439,994	6,871,504	1,568,490	10,470,156
32	Boston, MA	18,869,586	9,798,118	9,152,923	645,195	9,071,468
33	Detroit, MI	18,718,014	6,014,250	5,494,396	519,854	12,703,764
34	Port Everglades, FL	18,135,257	6,668,700	5,399,378	1,269,322	11,466,557
35	Tacoma, WA	17,615,819	11,310,327	4,240,597	7,069,730	6,305,492
36	Freeport, TX	17,450,109	12,533,024	10,809,458	1,723,566	4,917,085
37	San Juan, PR	16,299,654	6,108,990	5,376,486	732,504	10,190,664
38	Indiana Harbor, IN	16,144,862	405,893	399,933	5,960	15,738,969
39	Savannah, GA	15,904,910	12,772,183	6,254,094	6,518,089	3,132,727
40	Memphis, TN	15,679,999	-	-	-	15,679,999
41	Newport News, VA	15,671,052	10,676,531	935,963	9,740,568	4,994,521
42	Cleveland, OH	15,284,407	3,056,209	2,739,956	316,253	12,228,198
43	Lorain, OH	14,748,165	69,914	69,914	-	14,678,251
44	New Castle, DE	14,738,190	8,648,981	8,633,939	15,042	6,089,209
45	Portland, ME	14,245,338	12,659,109	12,555,677	103,432	1,586,229
46	Toledo, OH	13,203,884	5,777,497	1,480,830	4,296,667	7,426,387
47	Cincinnati, OH	13,192,767	-	-	-	13,192,767
48	Anacortes, WA	12,950,108	2,260,456	796,384	1,464,072	10,689,652
49	Oakland, CA	12,914,086	10,427,296	4,924,275	5,503,021	2,486,790
50	Honolulu, HI	11,672,245	1,757,092	1,455,988	301,104	9,915,153

Table 5-2: SELECTED U.S. PORTS, 1994, RANKED BY TOTAL TONS (continued)
(tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
51	Charleston, SC	10,829,846	6,924,970	2,748,073	4,176,897	3,904,876
52	Ashtabula, OH	10,368,499	3,064,438	676,986	2,387,452	7,304,061
53	Galveston, TX	10,256,921	5,914,095	3,122,448	2,791,647	4,342,826
54	Presque Isle, MI	10,191,125	1,921,093	-	1,921,093	8,270,032
55	Taconite, MN	9,510,156	-	-	-	9,510,156
56	New Haven, CT	9,470,882	3,037,716	2,843,158	194,558	6,433,166
57	Burns Waterway Harbor, IN	9,343,881	1,985,125	1,912,099	73,026	7,358,756
58	Louisville, KY	9,320,437	-	-	-	9,320,437
59	Two Harbors, MN	9,288,029	-	-	-	9,288,029
60	Mount Vernon, IN	9,287,779	-	-	-	9,287,779
61	Barbers Point, Oahu, HI	9,022,040	5,053,212	4,254,661	798,551	3,968,828
62	Gary, IN	8,765,065	165,983	165,983	-	8,599,082
63	Stoneport, MI	8,415,775	999,797	-	999,797	7,415,978
64	Escanaba, MI	7,774,734	1	1	-	7,774,733
65	Wilmington, NC	7,697,282	3,781,942	2,707,674	1,074,268	3,915,340
66	Calcite, MI	7,455,693	1,584,136	-	1,584,136	5,871,557
67	Matagorda Ship Channel, TX	7,379,628	5,211,218	4,925,456	285,762	2,168,410
68	Providence, RI	6,536,448	2,217,646	1,813,894	403,752	4,318,802
69	Miami, FL	6,514,924	4,895,387	2,283,175	2,612,212	1,619,537
70	Longview, WA	6,441,798	5,139,163	547,698	4,591,465	1,302,635
71	Vancouver, WA	6,280,927	4,608,954	715,863	3,893,091	1,671,973
72	Albany, NY	6,106,744	1,502,989	1,218,602	284,387	4,603,755
73	St. Clair, MI	5,886,656	38,032	17,203	20,829	5,848,624
74	Camden-Gloucester, NJ	5,668,842	3,091,474	2,319,251	772,223	2,577,368
75	Conneaut, OH	5,654,746	2,323,785	30,916	2,292,869	3,330,961
76	Sandusky, OH	5,421,549	3,248,963	31,195	3,217,768	2,172,586
77	Kalama, WA	5,351,115	4,313,077	23,130	4,289,947	1,038,038
78	Vicksburg, MS	5,107,967	-	-	-	5,107,967
79	St. Paul, MN	4,881,224	-	-	-	4,881,224
80	Port Inland, MI	4,739,728	126,041	-	126,041	4,613,687
81	Victoria, TX	4,566,571	-	-	-	4,566,571
82	Wilmington, DE	4,503,345	3,842,932	3,391,199	451,733	660,413
83	Silver Bay, MN	4,428,009	-	-	-	4,428,009
84	Nikishka, AK	4,326,326	1,278,225	1	1,278,224	3,048,101
85	Everett, WA	4,191,656	1,159,641	325,458	834,183	3,032,015
86	Fall River, MA	4,178,036	584,668	572,366	12,302	3,593,368
87	Morehead City, NC	4,144,302	2,367,297	512,572	1,854,725	1,777,005
88	Nashville, TN	3,832,566	-	-	-	3,832,566
89	Coos Bay, OR	3,743,963	3,532,228	46,531	3,485,697	211,735
90	Port Canaveral, FL	3,623,090	1,324,369	944,683	379,686	2,298,721
91	Marine City, MI	3,572,209	-	-	-	3,572,209
92	Portsmouth, NH	3,479,010	2,938,743	2,591,063	347,680	540,267
93	Brownsville, TX	3,395,961	2,123,806	2,108,483	15,323	1,272,155
94	Port Dolomite, MI	3,252,975	337,933	45,406	292,527	2,915,042
95	Bridgeport, CT	3,053,626	497,665	489,683	7,982	2,555,961
96	Fairport Harbor, OH	2,954,667	233,948	-	233,948	2,720,719
97	Palm Beach, FL	2,882,844	1,026,471	453,473	572,998	1,856,373
98	Kansas City, MO	2,815,882	-	-	-	2,815,882
99	Marblehead, OH	2,790,392	100,090	-	100,090	2,690,302
100	Alpena, MI	2,672,477	119,179	6,089	113,090	2,553,298

Table 5-2: SELECTED U.S. PORTS, 1994, RANKED BY TOTAL TONS (continued)
(tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
101	Chattanooga, TN	2,661,025	-	-	-	2,661,025
102	Guntersville, AL	2,652,783	-	-	-	2,652,783
103	Milwaukee, WI	2,641,109	1,077,077	933,432	143,645	1,564,032
104	Anchorage, AK	2,559,391	849,818	316,350	533,468	1,709,573
105	Panama City, FL	2,502,984	588,216	58,036	530,180	1,914,768
106	Greenville, MS	2,429,742	-	-	-	2,429,742
107	Kahului, Maui, HI	2,368,065	28,756	28,214	542	2,339,309
108	Green Bay, WI	2,288,056	239,617	196,609	43,008	2,048,439
109	Port Jefferson, NY	2,100,897	-	-	-	2,100,897
110	Monroe, MI	2,034,815	-	-	-	2,034,815
111	Muskegon, MI	2,004,423	207,927	177,671	30,256	1,796,496
112	Helena, AR	1,989,408	-	-	-	1,989,408
113	Tulsa, Port of Catoosa, OK	1,895,781	-	-	-	1,895,781
114	Gulfport, MS	1,842,149	1,674,983	1,140,102	534,881	167,166
115	Ketchikan, AK	1,759,074	641,307	15,628	625,679	1,117,767
116	San Francisco, CA	1,738,572	1,230,742	562,086	668,656	507,830
117	Port Angeles, WA	1,695,048	778,410	128,488	649,922	916,638
118	Buffalo, NY	1,685,139	467,853	408,360	59,493	1,217,286
119	Grays Harbor, WA	1,654,408	1,489,606	2,443	1,487,163	164,802
120	Brunswick, GA	1,626,173	1,423,309	862,165	561,144	202,864
121	Stockton, CA	1,608,871	1,444,530	642,939	801,591	164,341
122	Biloxi, MS	1,607,458	-	-	-	1,607,458
123	Chester, PA	1,555,167	968,437	802,203	166,234	586,730
124	Charlevoix, MI	1,549,372	79,383	-	79,383	1,469,989
125	Sacramento, CA	1,544,605	1,207,591	226,700	980,891	337,014
126	Christiansted, St Croix, VI	1,543,463	1,346,994	1,286,660	60,334	196,469
127	Olympia, WA	1,514,000	82,607	-	82,607	1,431,393
128	Drummond Island, MI	1,473,523	196,604	-	196,604	1,276,919
129	Pensacola, FL	1,465,965	320,541	18,769	301,772	1,145,424
130	Hilo, HI	1,455,485	93,112	86,340	6,772	1,362,373
131	Humboldt, CA	1,407,374	712,013	23,035	688,978	695,361
132	Astoria, OR	1,354,282	1,215,270	99,317	1,115,953	139,012
133	Bellingham, WA	1,343,181	716,925	138,561	578,364	626,256
134	Minneapolis, MN	1,239,856	-	-	-	1,239,856
135	Bucksport, ME	1,231,946	870,824	870,817	7	361,122
136	Salem, MA	1,227,099	907,943	907,803	140	319,156
137	Marysville, MI	1,174,704	205,585	182,133	23,452	969,119
138	San Diego, CA	1,166,900	904,696	304,663	600,033	262,204
139	Nawiliwili, Kauai, HI	1,150,924	11,789	11,789	-	1,139,135
140	Searsport, ME	1,136,068	940,658	827,882	112,776	195,410
141	Richmond, VA	1,133,970	562,543	279,706	282,837	571,427
142	Stamford, CT	1,115,561	-	-	-	1,115,561
143	Buffington, IN	1,097,306	60,876	-	60,876	1,036,430
144	Ludington, MI	1,093,469	41,753	30,661	11,092	1,051,716
145	Charlotte, FL	1,045,126	-	-	-	1,045,126
146	Erie, PA	978,776	132,414	132,155	259	846,362
147	Seward, AK	960,874	892,434	36,806	855,628	68,440
148	Hempstead, NY	916,319	-	-	-	916,319
149	Hopewell, VA	916,077	148,014	7,923	140,091	768,063
150	Grand Haven, MI	878,412	91,351	7,540	83,811	787,061

Appendix

Publication Commodity Codes Cross Reference List
(sorted by 1994 commodity codes)

1994 Commodity	1989 Commodity
0200 Vehicles	4115 Transported Vehicles (E.G. Ferried Autos)
.....	4116 Railway Cars (Loaded)
.....	4117 Railway Cars (Empty)
0300 Passengers	4114 Passengers Only
1100 Coal & Lignite	1121 Coal and Lignite
1200 Coke	2920 Coke, Including Petroleum Coke
2100 Crude Petroleum	1311 Crude Petroleum
2211 Gasoline	2911 Gasoline, Including Additives
.....	2912 Jet Fuel
2221 Kerosene	2913 Kerosene
2330 Distillate Fuel Oil	2914 Distillate Fuel Oil
2340 Residual Fuel Oil	2915 Residual Fuel Oil
2350 Lube Oil & Greases	2916 Lubricating Oil and Greases
2410 Petro. Jelly & Waxes	2991 Petroleum and Coal Products, NEC
2429 Naphtha & Solvents	2917 Naphtha, Mineral Spirits, Solvent, NEC
2430 Asphalt, Tar & Pitch	2918 Asphalt, Tar and Pitches
2540 Petroleum Coke	2920 Coke, Including Petroleum Coke
2640 Liquid Natural Gas	2921 Liquified Petroleum Gases, Coal Gas, Nat Gas/Liquid
2990 Petro. Products NEC	2991 Petroleum and Coal Products, NEC
.....	3113 Coke (coal & petroleum), petroleum pitches and asphalts, and naphtha and solvents
3110 Nitrogenous Fert.	2871 Nitrogenous Chemical Fertilizers, Except Mixtures
3120 Phosphatic Fert.	2873 Phosphatic Chemical Fertilizers, Except Mixtures
3130 Potassic Fert.	2872 Potassic Chemical Fertilizers, Except Mixtures
3190 Fert. & Mixes NEC	1479 Natural Fertilizer Materials, NEC
.....	2879 Fertilizers and Fertilizer Materials, NEC
3211 Acyclic Hydrocarbons	2811 Crude Products from Coal, Tar, Petroleum & Nat Gas
3212 Benzene & Toluene	2817 Benzene and Toluene, Crude and Commercially Pure
3219 Other Hydrocarbons	2811 Crude Products from Coal, Tar, Petroleum & Nat Gas
3220 Alcohols	2813 Alcohols
3230 Carboxylic Acids	2819 Basic Chemicals & Basic Chemical Products, NEC
3240 Nitrogen Func Comp	2819 Basic Chemicals & Basic Chemical Products, NEC
3250 Organo-Inorgan Comp	2819 Basic Chemicals & Basic Chemical Products, NEC
3260 Organic Comp NEC	2819 Basic Chemicals & Basic Chemical Products, NEC
3271 Sulphur (Liquid)	1493 Sulphur, Liquid
3272 Sulphuric Acid	2818 Sulphuric Acid
3273 Ammonia	2819 Basic Chemicals & Basic Chemical Products, NEC
3274 Sodium Hydroxide	2810 Sodium Hydroxide (Caustic Soda)
3275 Inorg. Elem., Oxides, & Halogen Salts	2819 Basic Chemicals & Basic Chemical Products, NEC
3276 Metallic Salts	2819 Basic Chemicals & Basic Chemical Products, NEC
3279 Inorganic Chem. NEC	2819 Basic Chemicals & Basic Chemical Products, NEC
3281 Radioactive Material	2816 Radioactive & Associated Materials, Including Waste
3282 Pigments & Paints	2851 Paints, Varnishes, Lacquers, Enamels & Allied Prods
3283 Coloring Mat. NEC	2812 Dyes, Organic Pigment, Dyeing & Tanning Materials
3284 Medicines	2831 Drugs (Biological Prod, Medicinal Chem, Pharmaceut)
3285 Perfumes & Cleansers	2841 Soap, Detergents & Cleaning Preps, Perfume, Cosmetics
3286 Plastics	2821 Plastics, Cellulose & Resins, Film, Sheeting, Laminate
3291 Pesticides	2876 Insecticides, Fungicides, Pesticides & Disinfectants
3292 Starches, Gluten, Glue	2891 Miscellaneous Chemical Products
3293 Explosives	1911 Ordnance and Accessories
3297 Chemical Additives	2891 Miscellaneous Chemical Products

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1994 commodity codes)

1994 Commodity	1989 Commodity
3298 Wood & Resin Chem.	2861 Gum and Wood Chemicals
3299 Chem. Products NEC	2891 Miscellaneous Chemical Products
4110 Rubber & Gums	0841 Crude Rubber and Allied Gums
4150 Fuel Wood	2413 Fuel Wood, Charcoal and Wastes
4161 Wood Chips	2416 Wood Chips, Staves, Molding and Excelsior
4170 Wood in the Rough	2411 Logs
.....	2412 Rafted Logs
.....	2414 Timber, Posts, Poles, Piling & Other Wood in the Rough
.....	2415 Pulpwood Logs
4189 Lumber	2421 Lumber
4190 Forest Products NEC	0861 Forest Products, Not Elsewhere Classified
4225 Pulp & Waste Paper	2611 Pulp
.....	4024 Paper Waste and Scrap
4310 Building Stone	1412 Building Stone, Unworked
4322 Limestone	1411 Limestone Flux and Calcareous Stone
4323 Gypsum	1494 Gypsum, Crude and Plasters
4327 Phosphate Rock	1471 Phosphate Rock
4331 Sand & Gravel	1442 Sand, Gravel and Crushed Rock
4333 Dredged Material	4029 Waste and Scrap, Not Elsewhere Classified
4335 Waterway Improv. Mat	4118 Waterway Improvement Materials, Govt Materials
4338 Soil & Fill Dirt	1499 Nonmetallic Minerals, Except Fuels, NEC
4410 Iron Ore	1011 Iron Ore and Concentrates
4420 Iron & Steel Scrap	4011 Iron and Steel Scrap
4515 Marine Shells	0931 Marine Shells, Unmanufactured
4630 Copper Ore	1021 Copper Ore and Concentrates
4650 Aluminum Ore	1051 Bauxite and Other Aluminum Ores and Concentrates
4670 Manganese Ore	1061 Manganese Ores and Concentrates
4680 Non-Ferrous Scrap	4012 Nonferrous Metal Scrap
4690 Non-Ferrous Ores NEC	1091 Nonferrous Metal Ores and Concentrates, NEC
4741 Sulphur, (Dry)	1492 Sulphur, Dry
4782 Clay & Refrac. Mat.	1451 Clay, Ceramic and Refractory Materials
4783 Salt	1491 Salt
4860 Slag	3312 Slag
4900 Non-Metal. Min. NEC	1499 Nonmetallic Minerals, Except Fuels, NEC
5110 Newsprint	2621 Standard Newsprint Paper
5120 Paper & Paperboard	2631 Paper and Paperboard
5190 Paper Products NEC	2691 Pulp, Paper and Paperboard Products, NEC
5210 Lime	3271 Lime
5220 Cement & Concrete	3241 Building Cement
5240 Glass & Glass Prod.	3211 Glass and Glass Products
5290 Misc. Mineral Prod.	2951 Asphalt Building Materials
.....	3251 Structural Clay Products, Including Refractories
.....	3281 Cut Stone and Stone Products
.....	3291 Miscellaneous Nonmetallic Mineral Products
5312 Pig Iron	3311 Pig Iron
5315 Ferro Alloys	3318 Ferroalloys
5320 I&S Primary Forms	3314 Iron and Steel Ingots and Other Primary Forms
5330 I&S Plates & Sheets	3316 Iron and Steel Plates and Sheets
5360 I&S Bars & Shapes	3315 Iron and Steel Bars, Rods, Angles, Shapes & Sections
5370 I&S Pipe & Tube	3317 Iron and Steel Pipe and Tube
5390 Primary I&S NEC	3319 Primary Iron & Steel Prods, NEC Incl Rough Castings
5421 Copper	3322 Copper & Copper Alloys, Refined, Unrefined, Unworked

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1994 commodity codes)

1994 Commodity	1989 Commodity
5422 Aluminum	3324 Aluminum and Aluminum Alloys, Unworked
5429 Smelted Prod. NEC	3321 Nonferrous Metals Primary Smelter Prod, Wire Castng
.....	3323 Lead and Zinc Including Alloys, Unworked
5480 Fab. Metal Products	3411 Fabricated Metal Prods, Exc Machinery, Transp Equip
5540 Primary Wood Prod.	2431 Veneer, Plywood and Other Worked Wood
6134 Fish (Not Shellfish)	0911 Fresh Fish, Except Shellfish
.....	0913 Menhaden
6136 Shellfish	0912 Shellfish, Except Prepared or Preserved
6241 Wheat	0107 Wheat
6344 Corn	0103 Corn
6442 Rice	0105 Rice
6443 Barley & Rye	0102 Barley and Rye
6445 Oats	0104 Oats
6447 Sorghum Grains	0106 Sorghum Grains
6521 Peanuts	0119 Oilseeds, Not Elsewhere Classified
6522 Soybeans	0111 Soybeans
6534 Flaxseed	0112 Flaxseed
6590 Oilseeds NEC	0119 Oilseeds, Not Elsewhere Classified
6653 Vegetable Oils	2091 Vegetable Oils, All Grades; Margarine & Shortening
6654 Vegetables & Prod.	0141 Fresh and Frozen Vegetables
.....	2034 Vegetables & Preparations, Canned, Prepared & Presvd
6746 Wheat Flour	2041 Wheat Flour and Semolina
6747 Grain Mill Products	2049 Grain Mill Products, Not Elsewhere Classified
6781 Hay & Fodder	0122 Hay and Fodder
6782 Animal Feed, Prep.	2042 Animal Feeds
6811 Meat, Fresh, Frozen	2011 Meat, Fresh, Chilled, or Frozen
6817 Meat, Prepared	2012 Meat & Meat Products Prepared, Preserved or Canned
6822 Dairy Products	2021 Dairy Products, Except Dried Milk and Cream
.....	2022 Dried Milk and Cream
6835 Fish, Prepared	2031 Fish & Fish Products, Incl Shellfish, Prep & Presvd
6838 Tallow, Animal Oils	2014 Tallow, Animal Fats and Oils
.....	2092 Animal Oils and Fats, Not Elsewhere Classified
6839 Animals & Prod. NEC	0151 Live Animals (Livestock) Excl Zoo Animals, Dogs, Etc
.....	0161 Animals and Animal Products, NEC
.....	2015 Animal By-Products, Not Elsewhere Classified
6856 Bananas & Plantains	0132 Bananas and Plantains
6857 Fruit & Nuts NEC	0131 Fresh Fruit
6858 Fruit Juices	2039 Fruit, Fruit & Vegetable Juices Canned, Prep, Presvd
6861 Sugar	2061 Sugar
6865 Molasses	2062 Molasses
6871 Coffee	0133 Coffee, Green and Roasted (Including Instant)
6872 Cocoa Beans	0134 Cocoa Beans
6885 Alcoholic Beverages	2081 Alcoholic Beverages
6887 Groceries	2094 Groceries
6888 Water & Ice	2095 Ice
.....	4111 Water
6889 Food Products NEC	2099 Miscellaneous Food Products
6891 Tobacco & Products	0121 Tobacco, Leaf
.....	2111 Tobacco Manufactured
6893 Cotton	0101 Cotton, Raw
6894 Natural Fibers NEC	2212 Textile Fibers, Not Elsewhere Classified

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1994 commodity codes)

1994 Commodity	1989 Commodity
6899 Farm Products NEC	0129 Field Crops, Not Elsewhere Classified
.....	0191 Miscellaneous Farm Products
7110 Machinery (Not Elec)	3511 Machinery, Except Electrical
7120 Electrical Machinery	3611 Electrical Machinery, Equipment and Supplies
7210 Vehicles & Parts	3711 Motor Vehicles, Parts and Equipment
7220 Aircraft & Parts	3721 Aircraft and Parts
7230 Ships & Boats	3731 Ships and Boats
7300 Ordnance & Access.	1911 Ordnance and Accessories
7400 Manufac. Wood Prod.	2491 Wood Manufactures, Not Elsewhere Classified
7500 Textile Products	2211 Basic Textile Products, Except Textile Fibers
.....	2311 Apparel & Other Finished Textile Products,Inc Knit
.....	2823 Synthetic (Man-Made) Fiber
.....	4022 Textile Waste, Scrap and Sweepings
7600 Rubber & Plastic Pr.	2822 Synthetic Rubber
.....	3011 Rubber and Miscellaneous Plastic Products
7800 Empty Containers	4119 Empty Containers
7900 Manufac. Prod. NEC	2311 Apparel & Other Finished Textile Products,Inc Knit
7900 Manufac. Prod. NEC	2511 Furniture and Fixtures
.....	2711 Printed Matter
.....	3111 Leather and Leather Products
.....	3791 Miscellaneous Transportation Equipment
.....	3811 Instruments,Photographic/Optical Goods,Watches,Clk
.....	3911 Miscellaneous Products of Manufacturing
8900 Waste and Scrap NEC	4029 Waste and Scrap, Not Elsewhere Classified
9900 Unknown or NEC	4113 LCL Freight
.....	9999 Dept of Defense Controlled Cargo & Special Items

Publication Commodity Codes Cross Reference List
(sorted by 1989 commodity codes)

1994 Commodity	1989 Commodity
6893 Cotton	0101 Cotton, Raw
6443 Barley & Rye	0102 Barley and Rye
6344 Corn	0103 Corn
6445 Oats	0104 Oats
6442 Rice	0105 Rice
6447 Sorghum Grains	0106 Sorghum Grains
6241 Wheat	0107 Wheat
6522 Soybeans	0111 Soybeans
6534 Flaxseed	0112 Flaxseed
6521 Peanuts	0119 Oilseeds, Not Elsewhere Classified
6590 Oilseeds NEC	.....
6891 Tobacco & Products	0121 Tobacco, Leaf
6781 Hay & Fodder	0122 Hay and Fodder
6899 Farm Products NEC	0129 Field Crops, Not Elsewhere Classified
6857 Fruit & Nuts NEC	0131 Fresh Fruit
6856 Bananas & Plantains	0132 Bananas and Plantains
6871 Coffee	0133 Coffee, Green and Roasted (Including Instant)
6872 Cocoa Beans	0134 Cocoa Beans
6654 Vegetables & Prod.	0141 Fresh and Frozen Vegetables
6839 Animals & Prod. NEC	0151 Live Animals (Livestock) Excl Zoo Animals,Dogs,Etc
6839 Animals & Prod. NEC	0161 Animals and Animal Products, NEC
6899 Farm Products NEC	0191 Miscellaneous Farm Products
4110 Rubber & Gums	0841 Crude Rubber and Allied Gums
4190 Forest Products NEC	0861 Forest Products, Not Elsewhere Classified
6134 Fish (Not Shellfish)	0911 Fresh Fish, Except Shellfish
6136 Shellfish	0912 Shellfish, Except Prepared or Preserved
6134 Fish (Not Shellfish)	0913 Menhaden
4515 Marine Shells	0931 Marine Shells, Unmanufactured
4410 Iron Ore	1011 Iron Ore and Concentrates
4630 Copper Ore	1021 Copper Ore and Concentrates
4650 Aluminum Ore	1051 Bauxite and Other Aluminum Ores and Concentrates
4670 Manganese Ore	1061 Manganese Ores and Concentrates
4690 Non-Ferrous Ores NEC	1091 Nonferrous Metal Ores and Concentrates, NEC
1100 Coal & Lignite	1121 Coal and Lignite
2100 Crude Petroleum	1311 Crude Petroleum
4322 Limestone	1411 Limestone Flux and Calcareous Stone
4310 Building Stone	1412 Building Stone, Unworked
4331 Sand & Gravel	1442 Sand, Gravel and Crushed Rock
4782 Clay & Refrac. Mat.	1451 Clay, Ceramic and Refractory Materials
4327 Phosphate Rock	1471 Phosphate Rock
3190 Fert and Mixes NEC	1479 Natural Fertilizer Materials, NEC
4783 Salt	1491 Salt
4741 Sulphur, (Dry)	1492 Sulphur, Dry
3271 Sulphur (Liquid)	1493 Sulphur, Liquid
4323 Gypsum	1494 Gypsum, Crude and Plasters
4338 Soil & Fill Dirt	1499 Nonmetallic Minerals, Except Fuels, NEC
4900 Non-Metal. Min. NEC	.....
3293 Explosives	1911 Ordnance and Accessories
7300 Ordnance & Access.	.....
6811 Meat, Fresh, Frozen	2011 Meat, Fresh, Chilled, or Frozen
6817 Meat, Prepared	2012 Meat & Meat Products Prepared, Preserved or Canned

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1989 commodity codes)

1994 Commodity**1989 Commodity**

6838 Tallow, Animal Oils	2014 Tallow, Animal Fats and Oils
6839 Animals & Prod. NEC	2015 Animal By-Products, Not Elsewhere Classified
6822 Dairy Products	2021 Dairy Products, Except Dried Milk and Cream
6822 Dairy Products	2022 Dried Milk and Cream
6835 Fish, Prepared	2031 Fish & Fish Products, Incl Shellfish, Prep & Presvd
6654 Vegetables & Prod.	2034 Vegetables & Preparations, Canned, Prepared & Presvd
6858 Fruit Juices	2039 Fruit, Fruit & Vegetable Juices Canned, Prep, Presvd
6746 Wheat Flour	2041 Wheat Flour and Semolina
6782 Animal Feed, Prep.	2042 Animal Feeds
6747 Grain Mill Products	2049 Grain Mill Products, Not Elsewhere Classified
6861 Sugar	2061 Sugar
6865 Molasses	2062 Molasses
6885 Alcoholic Beverages	2081 Alcoholic Beverages
6653 Vegetable Oils	2091 Vegetable Oils, All Grades; Margarine & Shortening
6838 Tallow, Animal Oils	2092 Animal Oils and Fats, Not Elsewhere Classified
6887 Groceries	2094 Groceries
6888 Water & Ice	2095 Ice
6889 Food Products NEC	2099 Miscellaneous Food Products
6891 Tobacco & Products	2111 Tobacco Manufactures
7500 Textile Products	2211 Basic Textile Products, Except Textile Fibers
6894 Natural Fibers NEC	2212 Textile Fibers, Not Elsewhere Classified
7500 Textile Products	2311 Apparel & Other Finished Textile Products, Inc Knit
4170 Wood in the Rough	2411 Logs
4170 Wood in the Rough	2412 Rafted Logs
4150 Fuel Wood	2413 Fuel Wood, Charcoal and Wastes
4170 Wood in the Rough	2414 Timber, Posts, Poles, Piling & Other Wood in the Rough
4170 Wood in the Rough	2415 Pulpwood Logs
4161 Wood Chips	2416 Woodchips, Staves, Molding and Excelsior
4189 Lumber	2421 Lumber
5540 Primary Wood Prod.	2431 Veneer, Plywood and Other Worked Wood
7400 Manufac. Wood Prod.	2491 Wood Manufactures, Not Elsewhere Classified
7900 Manufac. Prod. NEC	2511 Furniture and Fixtures
4225 Pulp & Waste Paper	2611 Pulp
5110 Newsprint	2621 Standard Newsprint Paper
5120 Paper & Paperboard	2631 Paper and Paperboard
5190 Paper Products NEC	2691 Pulp, Paper and Paperboard Products, NEC
7900 Manufac. Prod. NEC	2711 Printed Matter
3274 Sodium Hydroxide	2810 Sodium Hydroxide (Caustic Soda)
3211 Acyclic Hydrocarbons	2811 Crude Products from Coal, Tar, Petroleum & Nat Gas
3219 Other Hydrocarbons	2811
3283 Coloring Mat. NEC	2812 Dyes, Organic Pigment, Dyeing & Tanning Materials
3220 Alcohols	2813 Alcohols
3281 Radioactive Material	2816 Radioactive & Associated Materials, Including Waste
3212 Benzene & Toluene	2817 Benzene and Toluene, Crude and Commercially Pure
3272 Sulphuric Acid	2818 Sulphuric Acid
3230 Carboxylic Acids	2819 Basic Chemicals & Basic Chemical Products, NEC
3240 Nitrogen Func. Comp.	.....
3250 Organo-Inorgan Comp	.....
3260 Organic Comp. NEC	.....
3273 Ammonia	.....
3275 Inorg Elem, Oxides, & Halogen Salts	.....
3276 Metallic Salts	.....

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1989 commodity codes)

1994 Commodity**1989 Commodity**

3279 Inorganic Chem. NEC	.....
3286 Plastics	2821 Plastics,Cellulose & Resins,Film,Sheeting,Laminate
7600 Rubber & Plastic Products	2822 Synthetic Rubber
7500 Textile Products	2823 Synthetic (Man-Made) Fiber
3284 Medicines	2831 Drugs (Biological Prod,Medicinal Chem,Pharmaceut)
3285 Perfumes & Cleansers	2841 Soap,Detergents & Cleaning Preps,Perfume,Cosmetics
3282 Pigments & Paints	2851 Paints, Varnishes, Lacquers, Enamels & Allied Prod
3298 Wood & Resin Chem.	2861 Gum and Wood Chemicals
3110 Nitrogenous Fert.	2871 Nitrogenous Chemical Fertilizers, Except Mixtures
3130 Potassic Fert.	2872 Potassic Chemical Fertilizers, Except Mixtures
3120 Phosphatic Fert.	2873 Phosphatic Chemical Fertilizers, Except Mixtures
3291 Pesticides	2876 Insecticides,Fungicides,Pesticides & Disinfectants
3190 Fert. & Mixes NEC	2879 Fertilizers and Fertilizer Materials, NEC
3292 Starches,Gluten,Glue	2891 Miscellaneous Chemical Products
3297 Chemical Additives	.....
3299 Chem. Products NEC	.....
2211 Gasoline	2911 Gasoline, Including Additives
2211 Gasoline	2912 Jet Fuel
2221 Kerosene	2913 Kerosene
2330 Distillate Fuel Oil	2914 Distillate Fuel Oil
2340 Residual Fuel Oil	2915 Residual Fuel Oil
2350 Lube Oil & Greases	2916 Lubricating Oil and Greases
2429 Naphtha & Solvents	2917 Naphtha, Mineral Spirits, Solvent, NEC
2430 Asphalt, Tar & Pitch	2918 Asphalt, Tar and Pitches
1200 Coke	2920 Coke, Including Petroleum Coke
2540 Petroleum Coke	.....
2640 Liquid Natural Gas	2921 Liquefied Petroleum Gases,Coal Gas,Nat Gas/Liquid
5290 Misc. Mineral Prod.	2951 Asphalt Building Materials
2410 Petro. Jelly & Waxes	2991 Petroleum and Coal Products, NEC
2990 Petro. Products NEC	2991 Petroleum and Coal Products, NEC
7600 Rubber & Plastic Pr.	3011 Rubber and Miscellaneous Plastic Products
7900 Manufac. Prod. NEC	3111 Leather and Leather Products
5240 Glass & Glass Prod.	3211 Glass and Glass Products
5220 Cement & Concrete	3241 Building Cement
5290 Misc. Mineral Prod.	3251 Structural Clay Products, Including Refractories
5210 Lime	3271 Lime
5290 Misc. Mineral Prod.	3281 Cut Stone and Stone Products
5290 Misc. Mineral Prod.	3291 Miscellaneous Nonmetallic Mineral Products
5312 Pig Iron	3311 Pig Iron
4860 Slag	3312 Slag
2990 Petro. Products NEC	3313 Coke(coal & petroleum), petroleum pitches and asphalts, and naphtha and solvents
5320 I&S Primary Forms	3314 Iron and Steel Ingots and Other Primary Forms
5360 I&S Bars & Shapes	3315 Iron and Steel Bars,Rods,Angles,Shapes & Sections
5330 I&S Plates & Sheets	3316 Iron and Steel Plates and Sheets
5370 I&S Pipe & Tube	3317 Iron and Steel Pipe and Tube
5315 Ferro Alloys	3318 Ferroalloys
5390 Primary I&S NEC	3319 Primary Iron & Steel Prods,NEC Incl Rough Castings
5429 Smelted Prod. NEC	3321 Nonferrous Metals Primary Smelter Prod,Wire Castng
5421 Copper	3322 Copper & Copper Alloys, Refined,Unrefined,Unworked
5429 Smelted Prod. NEC	3323 Lead and Zinc Including Alloys, Unworked

Publication Commodity Codes Cross Reference List (continued)
(sorted by 1989 commodity codes)

1994 Commodity	1989 Commodity
5422 Aluminum	3324 Aluminum and Aluminum Alloys, Unworked
5480 Fab. Metal Products	3411 Fabricated Metal Prods, Exc Machinery, Transp Equip
7110 Machinery (Not Elec)	3511 Machinery, Except Electrical
7120 Electrical Machinery	3611 Electrical Machinery, Equipment and Supplies
7210 Vehicles & Parts	3711 Motor Vehicles, Parts and Equipment
7220 Aircraft & Parts	3721 Aircraft and Parts
7230 Ships & Boats	3731 Ships and Boats
7900 Manufac. Prod. NEC	3791 Miscellaneous Transportation Equipment
7900 Manufac. Prod. NEC	3811 Instruments, Photographic/Optical Goods, Watches, Clk
7900 Manufac. Prod. NEC	3911 Miscellaneous Products of Manufacturing
4420 Iron & Steel Scrap	4011 Iron and Steel Scrap
4680 Non-Ferrous Scrap	4012 Nonferrous Metal Scrap
7500 Textile Products	4022 Textile Waste, Scrap and Sweepings
4225 Pulp & Waste Paper	4024 Paper Waste and Scrap
4333 Dredged Material	4029 Waste and Scrap, NEC
8900 Waste and Scrap NEC	.....
6888 Water & Ice	4111 Water
9900 Unknown or NEC	4112 Misc Shipments not Identifiable by Commodity
9900 Unknown or NEC	4113 LCL Freight
0300 Passengers	4114 Passengers Only
0200 Vehicles	4115 Transported Vehicles (E.G. Ferried Autos)
0200 Vehicles	4116 Railway Cars (Loaded)
0200 Vehicles	4117 Railway Cars (Empty)
4335 Waterway Improv. Mat	4118 Waterway Improvement Materials, Govt Materials
7800 Empty Containers	4119 Empty Containers
9900 Unknown or NEC	9999 Dept of Defense Controlled Cargo & Special Items

ORDERING GUIDE FOR THE NAVIGATION DATA CENTER REPORTS

Waterborne Commerce, Vessel and Locks Statistics

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Volume 2, Vessel Company Summary	**
Volume 3, Vessel Characteristics	**
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Tonnage for Selected United States Ports
State Tonnage Report (Total waterborne commerce by state)
Estimated Waterborne Commerce Statistics, National Totals and Selected Inland Waterways
Summary of United States Flag Vessels
Summary of Lock Statistics (Contact: Bob Baldwin, (703) 355-2047)

* Effective with the calendar year 1994 publications.

** Prices have yet to be determined.

Material may be ordered from Waterborne Commerce Statistics Center, U.S. Army Corps of Engineers, P.O. Box 61280, New Orleans, LA 70161-1280. Checks or money orders should be made out to FAO-USAED, New Orleans. Point of contact is Mr. Roy Walsh (504) 862-1424 or Mr. Thomas Mire (504) 862-1470; FAX (504) 862-1423.

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<u>NO.</u>		<u>Date of Publication</u>	<u>Sales Price</u>
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